

19990602.qrp v01_n476.qrl.990602

Date: Wed, 2 Jun 1999 19:03:27 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1476

QRP-L Digest 1476

Topics covered in this issue include:

- 1) [41784] Re: Television Channels (not QRP)
by "John J. McDonough" <jjmcd@tm.net>
- 2) [41785] WSN-40 Net report.
by Ed Loranger <we6w@qsl.net>
- 3) [41786] Re: WPE Callsigns
by Jim or Jade Seeber <kw3u@warwick.net>
- 4) [41787] FS: Ten-Tec Argosy
by John Spoonhower <jspoonh1@rochester.rr.com>
- 5) [41788] Re: Challenger Ant. and Gap products
by AA3RL <m9bw990@ix.netcom.com>
- 6) [41789] Re: Challenger Ant. and Gap products
by AA3RL <m9bw990@ix.netcom.com>
- 7) [41790] Re: Challenger Ant. and Gap products
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 8) [41791] NC-20 Red Hot Rig
by RangerSF5@aol.com
- 9) [41792] Desert Ratt
by Norm Melick <henmel@worldnet.att.net>
- 10) [41793] Re: solar storms to increase?
by Tom Randall <trandall@idsi.net>
- 11) [41794] Re: circuit simulation software?
by David Hinerman <wd8civ@worldnet.att.net>
- 12) [41795] Got it
by RangerSF5@aol.com
- 13) [41796] YOUR WEBSITE
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 14) [41797] DESERT RATT
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 15) [41798] Re: Desert Ratt
by "Paul Harden, NA5N" <na5n@rt66.com>
- 16) [41799] Sun Storms May add to Y2K woes
by RangerSF5@aol.com
- 17) [41800] QRP-L CD Archives
by Roger Hightower <n7kt@earthlink.net>
- 18) [41801] AB0GO web site updated with NC20 photos
by "David Ek" <ekdave@earthlink.net>
- 19) [41802] Re: Headset/boom mike for K2?

- by Jeff Logullo <jeff.logullo@Central.Sun.COM>
- 20) [41803] Solar cycle/the big one/Art Bell
by "Paul Harden, NA5N" <na5n@rt66.com>
- 21) [41804] Heath book barter (?)
by Frank C Hopkins <k5vai@juno.com>
- 22) [41805] Numbers
by Pete Burbank <plburbank@kih.net>
- 23) [41806] QRP-L CDs v2.0 available here, too
by Jeff Logullo <jeff.logullo@Central.Sun.COM>
- 24) [41807] Re: Headset/boom mike for K2?
by "Dave Fifield" <fifield@pacbell.net>
- 25) [41808] Re: Solar cycle/the big one/Art Bell
by Pete Burbank <plburbank@kih.net>
- 26) [41809] Re: Challenger Ant. and Gap products
by gsurrency@juno.com
- 27) [41810] Re: Solar cycle/the big one/Art Bell
by Michael Neverdosky <MichaelN@cycat.com>
- 28) [41811] Re: Challenger Ant. and Gap products
by Bob Patten <n4bp@bc.seflin.org>
- 29) [41812] Code No Code Debate Makes Wall Street Journal
by Dave Sjolin <sjolin@swbell.net>
- 30) [41813] Re: Solar cycle/the big one/Art Bell
by "Rod Cerkoney" <rcw@frii.com>
- 31) [41814] Re: Code No Code Debate Makes Wall Street Journal
by K2UD@aol.com
- 32) [41815] Re: Solar cycle/the big one/Art Bell
by "Mike Yetsko" <myetsko@insydesw.com>
- 33) [41816] Re: Solar cycle/the big one/Art Bell
by Brad Bradfield <b_bradfield@yahoo.com>
- 34) [41817] Re: Code No Code Debate Makes Wall Street Journal
by "Rod Cerkoney" <rcw@frii.com>
- 35) [41818] RE: Code No Code Debate Makes Wall Street Journal
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 36) [41819] Re: Code No Code Debate Makes Wall Street Journal
by sergio <sruiz@bright.net>
- 37) [41820] Vibrokeyer help...
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
- 38) [41821] Re: Code No Code Debate Makes Wall Street Journal
by Brian Murrey <brian@iquest.net>
- 39) [41822] Code No Code Debate Makes Wall Street Journal -Reply
by "Bob Reynolds" <breynold@SIGG.COM>
- 40) [41823] Militant FISTS
by "Nancy WZ8C" <nancy@tir.com>
- 41) [41824] RE: Code No Code Debate Makes Wall Street Journal
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 42) [41825] TV Channels
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 43) [41826] Re: Code No Code Debate Makes Wall Street Journal

by crc <crc@io.com>
44) [41827] Regens
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
45) [41828] Re: Militant FISTS
by Dave Sjolín <sjolin@swbell.net>
46) [41829] Regen rx
by "Ted Williams" <tedw@btinternet.com>
47) [41830] Re: Code No Code Debate Makes Wall Street Journal
by Chris Trask <ctrask@primenet.com>
48) [41831] Re: Appliance repair problem
by w4pj@w4bkx.ampr.org
49) [41832] Re: Vibrokeyer help...
by "George T. Baker" <w5yr@swbell.net>
50) [41833] Re: Militant FISTS
by "George T. Baker" <w5yr@swbell.net>
51) [41834] Re: Code No Code Debate Makes Wall Street Journal
by Pete Burbank <plburbank@kih.net>
52) [41835] Re: Regens
by Chris Trask <ctrask@primenet.com>
53) [41836] Fix for NC20 AGC Drift
by Larry East <w1hue@amsat.org>
54) [41837] Vibrokeyer help. THANKS!
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
55) [41838] Re: Code No Code Debate Makes Wall Street Journal
by Ron Stark <ku7y@dri.edu>
56) [41839] RE: Code No Code Debate Makes Wall Street Journal
by Jim Ek <JIM-EK@worldnet.att.net>
57) [41840] Re: Code No Code Debate Makes Wall Street Journal
by Mike Martin <mmartin@netins.net>
58) [41841] Re: Fix for NC20 AGC Drift
by George F Franklin <w0av@juno.com>
59) [41842] Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
60) [41843] RE: Code No Code Debate Makes Wall Street Journal
by "Andreas Junge" <andreas@atltech.com>
61) [41844] sell/trade items
by "A. Jenkins" <beaks@westco.net>
62) [41845] Which antenna tuner EDX-2 or AT-180 best for long
wire.....
by Randy Randall <RANDALLR@Healthall.com>
63) [41846] Re: Solar cycle/the big one/Art Bell
by "John Russell" <longjohn@qconline.com>
64) [41847] Re: Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
by Chris Cartwright Sr <ccart@phideaux.com>
65) [41848] Re: Code No Code Debate Makes Wall Street Journal
by wd8civ@att.net
66) [41849] British Regen Counter Measures
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

- 67) [41850] Re: Numbers & Dogs
by "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>
- 68) [41851] Aloha Ade W0RSP
by Dean W Manley <kh6b@juno.com>
- 69) [41852] RE: Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
by Richard Powell <ripowell@mpna.com>
- 70) [41853] Re: Code No Code Debate Makes Wall Street Journal
by Jeff <fantbb@yahoo.com>
- 71) [41854] RE: Code No Code Debate Makes Wall Street Journal
by mike1@urbancom.net (Dinelli, Michael)
- 72) [41855] RE: Potato Ricer
by Karl.Kanalz@optelinc.com
- 73) [41856] Refresh of old code skills--suggestions?
by Jeff Logullo <jeff.logullo@Central.Sun.COM>
- 74) [41857] Re: Code No Code Debate Makes Wall Street Journal
by sergio <sruiz@bright.net>
- 75) [41858] Re: British Regen Counter Measures
by Bill Jones <kd7s@psnw.com>
- 76) [41859] Photo of St. Louis Mach Co case for NC20?
by John Harper AA5YX/2 <aa5yx@juno.com>
- 77) [41860] auto remote transmitter HELP
by Bill H Hays <wj5o@juno.com>
- 78) [41861] NC20/40 AFA problem
by william h ross <k6mgo@juno.com>
- 79) [41862] Re: Code No Code Debate Makes Wall Street Journal
by "Mike Yetsko" <myetsko@insydesw.com>
- 80) [41863] Re: auto remote transmitter HELP
by "Mike Yetsko" <myetsko@insydesw.com>
- 81) [41864] Re: Refresh of old code skills--suggestions?
by Rod Cerkoney <rwc@frii.com>
- 82) [41865] Re: NC20/40 AFA problem
by Danh Le <dle@san-jose.tt.slb.com>
- 83) [41866] Potato Ricer
by tom whalen <wb5qyt@eFortress.com>
- 84) [41867] AR-QRP 40 m Net is tonight
by Robsparks@aol.com
- 85) [41868] Re: Code No Code Debate Makes Wall Street Journal
by Roger Hightower <n7kt@earthlink.net>
- 86) [41869] QRP-L CD's
by Roger Hightower <n7kt@earthlink.net>
- 87) [41870] Re: Code No Code Debate Makes Wall Street Journal
by Brian Murrey <brian@iquest.net>
- 88) [41871] Regen radio kits
by Rick Morrison <RickM@firstlogic.com>
- 89) [41872] QRP-L CD Archives
by David J Adams <adamsclan@netgate.net>
- 90) [41873] contesting in QRP
by "Mike W. Burger" <mike@gold.chem.hawaii.edu>

- 91) [41874] Believe it or not
by "Franco, Nicholas J" <franco@bnl.gov>
- 92) [41875] Re: Code No Code Debate Makes Wall Street Journal
by "Brad Hernlem" <alihernlem@hotmail.com>
- 93) [41876] Solar Power Controller MOD for Micro-M (long)
by Sam Billingsley <SBillingsley@usaninc.com>
- 94) [41877] Re: Code No Code Debate Makes Wall Street Journal
by Jeff <fantbb@yahoo.com>
- 95) [41878] wire / rope vertical
by hamjoel@juno.com
- 96) [41879] Regens at NorCal Meeting Sunday, Norm & Vern
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 97) [41880] Z-matches, transmatches & waterproof matches
by Nils R Young <nilsbull@juno.com>
- 98) [41881] NO CODE
by Charles feigley <wa8cul@gte.net>
- 99) [41882] Re: Numbers
by Bob Edwards <w4ed@flash.net>
- 100) [41883] Re:Refresh of old code skills--suggestions?
by Ed Loranger <we6w@qsl.net>
- 101) [41884] Re: British Regen Counter Measures
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 102) [41885] Re: Believe it or not
by "Robert Roach" <KE4QOK@worldnet.att.net>
- 103) [41886] Re: Code No Code Debate Makes Wall Street Journal
by K2UD@aol.com
- 104) [41887] Re: NO CODE
by Brian Murrey <brian@iquest.net>
- 105) [41888] Re: Code No Code Debate Makes Wall Street Journal
by "Nick Yokanovich" <n0ny@toad.net>
- 106) [41889] Re: NO CODE
by mwattcpa@earthlink.net (Marty Watt)
- 107) [41890] FS: 2 10-turn pots
by Jerry McCollom W0MC <w0mc@hotmail.com>
- 108) [41891] Re: Code No Code Debate Makes Wall Street Journal
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
- 109) [41892] Re: Code No Code Debate Makes Wall Street Journal
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
- 110) [41893] Re: Code No Code Debate Makes Wall Street Journal
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>

Date: Tue, 1 Jun 1999 19:06:36 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <buydens@duke.usask.ca>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [41784] Re: Television Channels (not QRP)

Message-ID: <00e601beac83\$68ae4fe0\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There's a nice chart in the Handbook that shows channel 11 at 198-204 MHz, and shows the relationships between the various amateur harmonics and the TV channels. It happens that channel 11 is on the 7th harmonic of the 10 meter band.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----

From: Brian.Buydens@usask.ca <buydens@duke.usask.ca>

>Does anyone know the frequency for Channel 11? Is there a place on the
>Internet with this information?

Date: Tue, 01 Jun 1999 23:06:52 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [41785] WSN-40 Net report.
Message-ID: <3754678C.2D10@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang! Wouldn't you know it??!!! The weather was great this weekend so I went for the Summer "do".

Marine Corps haircut, goatee trimmed down to stubble!
Bring on that luscious Summer Sunshine!! Yeah!

Today it rained and there's no sun to tan that scalp of mine.

CQ CQ QRP DE WE6W/cueball AR

Anyway, we did have sun on Saturday. Decided to drive

to my usual /P location at Robert's Lake in Rohnert Park, CA.

I brought my 8 yr. old daughter, Kelly and we had a great time. After the net we took a short adventurous hike, found a horizontal section of a tree trunk and absorbed the beautiful environment as we shared the chair nature provided there.

Kelly helped with the station set-up and later rested, posed upon her groundcloth as my own QRP princess as I worked the net.

Propagation during the net was absolutely perfect on Saturday. Stations near and far were quite readable and we had 15 or 16 check-ins.

NCS was Chuck/NJ7M in Boise, ID, so not all NCS stations are in California! Having an Idaho NCS does indeed extend our net coverage, unfortunately Chuck can only serve as NCS in those months having a 5th Saturday.

Next Saturday is scheduled turn at NCS (1st Sat. each month), I invite one and All to attempt to QNI (check in) our QRP/CW ARCI Net and share some comments.

Find the WSN-40 qrp net on 7040 KHz at 9:00 AM PACIFIC TIME EVERY Saturday.

How sweet it is -- Guaranteed.

72/Ed WE6W/Cueball :)

--

-Ed AR Millennium Q's=>650/2000 QRP-L#1068

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Tue, 01 Jun 1999 19:11:38 -0400
From: Jim or Jade Seeber <kw3u@warwick.net>
To: k8ff@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41786] Re: WPE Callsigns
Message-ID: <375468AA.D2DD4411@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=x-user-defined
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Wayne A Smith wrote:

> Hi Rich, Wow!! Does your post bring back memories! I started as an SWL
> in the mid to late fifties and was WPE8HE. This eventually led to my
> novice call KN8WOT in the fall of 1960. I got my present K8FF assignment
> in 1976.
>
>
>
>

Well, I also started that way, listening to a channel master am
transistorisedradio under the covers instead of sleeping 1959 or something
schoolkid.
lots of fun with the strange far off am stations,,,stumbled onto some weird
cw on 530(guessing) then discovered actual police(?) transmissions there.
got me hooked and with my paper boy money, and the advice of a
knowledgeable CBer who was apprenticing me to become a licensed
projectionist at the local theater(to make the big bux), bought a National
nc-190
and popular electronics and got my call. WPE3(something). had qsl cards made
and sent a bunch to many hams and stations. didn't take long to get a novice
license and have a ball as wn3erd....but then came the great adventures of
the late 60's and had more swl gear than I could handle...r390's and 1051's
and printers-crypto gear...oh lordy(as uncle wayne wud say) tnx uncle sam.
Maybe one of the mags will start up some articles again and get
young
folk hooked some more.....ok rambling again....back to the dxing..

72 Jim ex wpe3(something)

Date: Tue, 01 Jun 1999 19:44:48 -0400
From: John Spoonhower <jspoonh1@rochester.rr.com>
To: qrp-l@lehigh.edu
Subject: [41787] FS: Ten-Tec Argosy
Message-ID: <37547070.23B9A5B1@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For sale: Ten-Tec Argosy 425 analog version in excellent condition with

manual and factory model 700/c microphone. The only mod I have made was to speed up the agc. Includes 30 m band, cw crystal filter, and

2

position audio filter.

price lowered to \$390 + shipping

I will deliver to the Rochester hamfest this weekend if interested.

please reply to kc2du@arrl.net

Date: Tue, 01 Jun 1999 20:08:17 -0400
From: AA3RL <m9bw990@ix.netcom.com>
To: rohre@arllut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41788] Re: Challenger Ant. and Gap products
Message-ID: <375475F1.2510@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Stuart:

I have had a GAP Titan DX for some time. It is mounted on my pier over salt water, and yes, there is a distinct difference in propagation in the seaward direction versus over land. Most of what you say about the GAP antennas is indeed true. I have been performing controlled A/B testing of the GAP Titan versus monoband verticals. Although I have not publicized the partial results (completed for 10, 15, 20, and 40 meters only) they can be viewed on my web site:

<http://www.qsl.net/aa3rl/>

If I can be of any help please don't hesitate to ask.

73 de Mike Banz, AA3RL

rohre wrote:

>

> Hi,

> The Gap line of antennas come complete with everything you need to radiate. I

> think the Challenger has a radial group that lies upon the surface of the

> ground. Mine is the Titan whose counterpoise is built as part of the

> structure and 40M section. Both models are center fed, hence the name "Gap".

> Each Gap has a stub of feed coax coming out the bottom, and a PL 259 coax plug

> you put on it to couple to the coax feed you provide. A double female type
> UHF allows me to totally disconnect the antenna, if severe thunderstorms are
> due, and lessens lightning threat to shack.
>
> All of the vertical Gap antennas are based on the vertical dipole, and thus
> are two complete radiators, just as a dipole is and can operate alone in free
> space, or over earth. There is a misconception I have noticed among many hams
> asking about vertical antennas, that they ALL need a ground plane of radials
> to perform.
>
> The image is furnished if you use a vertical dipole, while you need another
> quarter wave earth image with a quarter wave unbalanced vertical. Any added
> radials on the half wave center fed vertical are simply going to improve the
> RF conductivity in the near field.
>
> However, you probably should put your improvements in RF conductive earth out
> from the antenna, where the angle of takeoff has a component hitting the
> ground. This issue is addressed in some texts in discussing the horizontal
> dipole and its image plane, but I don't believe I have seen anyone do anything
> about providing better conductivity this way. We mostly have little control
> out from our antennas at the distances that would help, but those living on a
> true antenna farm could do some woderous things with ground reflection
> improvement. Those living on a cliff over the sea already enjoy this effect
> in the seaward direction.
>
> Anyone on the list who has lived both at seaside and land locked, who has
> noticed the difference?
>
> 72, Stuart K5KVH

Date: Tue, 01 Jun 1999 20:14:43 -0400
From: AA3RL <m9bw990@ix.netcom.com>
To: dafouchey@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41789] Re: Challenger Ant. and Gap products
Message-ID: <37547773.3526@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David:

As I mentioned in my reply to Stuart's post, I have addressed exactly
this question via modeling and A/B testing. Partial results can be
viewed on my web site:

<http://www.qsl.net/aa3rl/>

Any questions or comments are welcomed.

73 de Mike Banz, AA3RL

david fouchey wrote:

>

> I wonder then how working on an Islet in a salt water location with a
> GAP style half wave vertical antenna would effect performance? How would
> it compare to the 1/4 wave ground mounted vertical with the near
> infinite highly conductive ground plane that the bay or ocean would
> represent?

>

> Dave

> WA4EMR

> Sterling Heights, MI

>

> "L. B. Cebik" wrote:

> >

> > >

> > > However, you probably should put your improvements in RF conductive earth
out

> > >from the antenna, where the angle of takeoff has a component hitting the
> > >ground. This issue is addressed in some texts in discussing the horizontal
> > >dipole and its image plane, but I don't believe I have seen anyone do
anything

> > >about providing better conductivity this way. We mostly have little control
> > >out from our antennas at the distances that would help, but those living on a
> > >true antenna farm could do some woderous things with ground reflection
> > >improvement. Those living on a cliff over the sea already enjoy this effect
> > >in the seaward direction.

> >

> > Stuart,

> >

> > The issue of conductivity and its effect on initial reflections in the
> > Fresnel zone is discussed by ON4UN in Low Band DXing. It is also
> > discussed briefly in the SCV series I did for NCJ (which is on line also).

> >

> > In effect, you are correct that for self-complete antennas, such as the
> > vertical dipole (even the very short ZR-3s produced by Force 12), local
> > ground plays a role in RF ground returns, but does not play the same role
> > it plays with a GP monopole. ON4UN concludes that it is a couple of
> > wavelength's distant that begin the Fresnel zone for verticals--and this
> > area is rarely controllable by an inland homeowner when using the low HF
> > region. Relocating to an island or peninsula is feasible for only a very
> > few. Also, the water must be salt water; fresh water is just not that
> > much of a help. The effect can be modeled. And, as well, the team that

> > broke the CQ multi-multi score record a couple of years back did an
> > article on their vertical antenna farm on the coast of Jamaica for CQ's
> > contest journal. So there is both quantitative and qualitative to be had
> > on vertical dipole (and other complete) antenna performance relative to
> > ground conditions and some of the variables, such as height above ground.
> >
> > -73-
> >
> > LB, W4RNL

Date: Tue, 1 Jun 1999 20:51:20 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: david fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41790] Re: Challenger Ant. and Gap products
Message-ID: <Pine.GSO.4.10.9906012029090.7213-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The 1/4 w1 GP monopole would have no significant advantage over the 1/2 w1 antenna when placed in similar locations, assuming that any surface or buried GP used a sufficient number of radials. The GP does not add to the radiation of a monopole, but a poor GP can detract from radiation. GPs can be bad for a number of reasons. For surface or buried GPs, insufficient radials increase power losses to the ground. Elevated radials need to be as perfectly symmetrical as possible.

Every conducting material, whether salt water or copper or . . ., has only a finite conductivity. In other words, it has losses. Minimizing losses is one of the prime concerns of vertical antenna installations. We can control some of them by virtue of construction and design. Others are beyond control, but we strive to minimize losses where we can. Hence, buried radial systems of 60-120 radials are standard in the broadcast industry and advisable for the ham who has the ability to place them.

Other factors besides losses will also affect signal strength, whether inland or on our ideal island in the ocean. Antenna height is one factor. Elevated GP monopoles and non-GP dipoles can be placed at heights providing the same elevation angle of maximum radiation--although the heights will not be identical for the two antenna types. WWVH uses dipoles with some elevation of the base--and I believe they may also be on elevated land relative to the ocean which makes up their Fresnel reflection area.

So, what's the bottom line? 1. Some factors that affect performance do not involve ground conditions--although the overall signal strength

(incoming or outgoing) will be affected by these factors plus ground reflection conditions in the Fresnel zone. 2. All conductive surfaces and materials have finite conductivity and hence some resistivity (or loss potential). This includes salt water. We sometimes think of saltwater as perfect, but it is simply the best we have around. Silver plating the globe would be superior--if we could do it.

The Fresnel zone should be kept distinct from the local ground, which still requires ground rods and other treatments to achieve 1. a good DC and static discharge conductivity, 2. a good lightning protection ground, and 3. a good RF return between the far end of the feedline and the signal source. Hence, the absence of a need for a GP to complete the antenna does not mean that there is no good reason not to improve the local ground for the purposes just noted. Sometimes, with vertical dipoles, some users note an improvement of performance when adding a ground plane and think that the GP is like those used with monopoles. The more correct reason for the improved performance is the improved RF ground between the antenna end of the feedline and the signal source. When verticals are fed in the center, this return is not necessary, but with voltage feed systems--end feeding a 1/2 w1 antenna--it may be crucial to getting power into (and out of) the antenna.

-73-

LB, W4RNL

Date: Tue, 1 Jun 1999 20:50:45 EDT
From: RangerSF5@aol.com
To: QRP-L@lehigh.edu
Subject: [41791] NC-20 Red Hot Rig
Message-ID: <73bf7d3a.2485d9e5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
I lost the URL and the address wehre the money is supposed to go.
Anyone have it?
Please *E* mail direct.
Thanks es 73/72
Bob
WA2HOQrp <tm>

Date: Tue, 01 Jun 1999 18:14:59 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41792] Desert Ratt
Message-ID: <37548593.19A9267C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Got my Desert Ratt 3+ Regen running. Seeing as how I can never leave
> good enough alone, I made a few changes to the circuit. I measured
> the MDS (Mike's Discernible Signal) with an HP 8640B with 1000 Hz 100%
> AM modulation to be -120 dBm when the regen control is tweaked just
> right. Probably need a better preamp transistor to do any better.

Now that my desert rat is up and running, I'm curious. What
would be some nice transistors to replace Q1, Q2, and Q4 in
the desert rat and get some additional performance out of
it?

Perhaps some 2N3391's?

Thanks,

Norm/KQ6Sd

Date: Tue, 1 Jun 1999 21:29:15 -0400
From: Tom Randall <trandall@idsi.net>
To: qrp-l@Lehigh.EDU
Subject: [41793] Re: solar storms to increase?
Message-ID: <199906020129.VAA20701@pop.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>ok, I am listening to this radio show on the internet. I hear this report
>saying there's to be a major increase in solar storm activity between now
>and y2K which is to be powerful enough to knock sats out etc.
>Is there any truth to this? I would think that if so, hf will really be
>something to attempt working.

>73 de Scott/n3byy

Hi Scott and list,

Major events can produce problems for sats, power companies, communications, spacecraft. But these events happen during just about every cycle as we approach maximum then for a year or 2 as we swing down from maximum. In 1989 during the last peak at one point a million Canadians lost power as a result of flare activity. No need to panic, it's happened throughout all our lives. It can disrupt HF, but you'll see warnings on the net, from the ARRL, etc and hear it on WWV more than likely. For us solar observers who are hams it's a mixed blessing, we LOVE the visual activity we see on the sun's disk but hate what it does to HF! "Torn between 2 lovers" as the song (ick!) goes!

73,
Tom

Tom Randall -- trandall@idsi.net
Amateur Radio - KB2SMS
Mt. Beacon Amateur Radio Club / ARRL / 10-10 / QRP-L #1965
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

Date: Tue, 01 Jun 1999 21:38:05 -0400
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [41794] Re: circuit simulation software?
Message-ID: <3.0.6.32.19990601213805.00796be0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:38 PM 6/1/99 -0400, you wrote:
>and PC board layout ran about \$400 US. EWB is put out by a
>Canadian outfit, Interactive Image Technologies LTD. up in
>Toronto. Pretty good software, but not perfect.

Jim,

I've tried demos of just about everything downloadable. EWB looks like a good one, but \$400 buys an awful lot of 2N2222s.

Thanks for the reference, though - I'll give it more consideration.

Dave

Dave Hinerman - WD8CIV

Date: Tue, 1 Jun 1999 21:38:42 EDT
From: RangerSF5@aol.com
To: QRP-L@lehigh.edu
Subject: [41795] Got it
Message-ID: <364e973c.2485e522@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Dave and Al..
I have the address and URL.
Will be melting solder again soon
Bob
WA2HOQrp <tm>

Date: Wed, 02 Jun 1999 12:15:26 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41796] YOUR WEBSITE
Message-ID: <375493BD.F9B9F9D2@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys and Gals,

Thanks to all who responded to my request for inclusion of your web pages in my AR links page. You may view your entry at the link below. The link is not available to the public yet to allow time for corrections, addendum and any further additions etc.

Constructive criticism / suggestion (always welcome) have pointed out I was remiss in not:

1. asking for inclusion of names, call signs and possibly email

addresses. - your choice. just give details and your permission.

2. being too restrictive in limiting title to one line or less. -
add/revise if you so wish

3. not indicating whether commercial interests were welcome. - if
AR/Electronics, they are welcome.

4. not indicating whether other lists beyond QRP-L are welcome - they
are.

The only criteria I have is that it be AR orientated, your pages do NOT
include any adult material and above all, are likely to be helpful to
the newcomer or seasoned operator. I've tried to keep a constant look
and feel to the page.

Check to see that I haven't missed out on you. Also check for accuracy
including activating your link back to yourself.

If you are not listed then why not?. If you belong to other AR lists
then by all means repeat this email to those lists.

http://www.integritynet.com.au/~purdic/ar_links.htm

If I am behind in replies on any subject to anyone please accept my
apologies and maybe a gentle reminder would not go astray (I receive
over 1000 emails a week).

73's

Ian

Date: Wed, 02 Jun 1999 12:23:50 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41797] DESERT RATT
Message-ID: <375495B6.61E7D1C5@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Norm/KQ6Sd wrote

> Now that my desert rat is up and running, I'm curious. What
> would be some nice transistors to replace Q1, Q2, and Q4 in
> the desert rat and get some additional performance out of
> it?

Anybody tried 2N3565's?. I thought they were the hottest thing around if you can still get them.

73's

Ian

Date: Tue, 1 Jun 1999 20:27:43 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Norm Melick <henmel@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41798] Re: Desert Ratt
Message-ID: <Pine.SUN.4.10.9906012005170.27918-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Jun 1999, Norm Melick wrote:

> Now that my desert rat is up and running, I'm curious. What
> would be some nice transistors to replace Q1, Q2, and Q4 in
> the desert rat and get some additional performance out of
> it?

Norm and others,

The Desert Ratt regen was intended to be a VERY simple, but workable circuit for a short wave receiver. That is, minimum of components. To do this, you want as bloody much gain as you can get out of Q1 and Q2 particularly. In most properly designed amplifiers, you bias the base voltage with a voltage divider (resistor to ground, another one to +V), add some emitter resistance and a bypass cap. This standard biasing scheme precisely sets the gain of the transistor, such that the gain is the ratio of the collector resistor divided by the emitter resistor (discounting the load of the next stage). Thus, you set the gain with the EXTERNAL components, and the gain of the transistor itself (the forward current transfer ratio or HFE) plays virtually no role.

In the Desert Ratt, the RF amplifier Q1 for example, this biasing scheme is not used. Instead, a single resistor from the collector to the base (from 220-470K) is used to bias the base just a hair above the

0.7V needed to make Q1 conduct. The gain of this amplifier is determined SOLEY by the value of the transistors HFE. And for a 2N2222, 2N3904 or equivalent, HFE will be somewhere between 50 and 200! Usually 100 is estimated for most bias calculations. But if you take 5-10 different transistors, they will all have slightly different HFE values, with one or two of them being exceptionally poor (low HFE) or pretty hot (a high HFE). This is why most good amplifier stages (which I'll admit, Q1 is not) base the gain on external components, not the transistors HFE.

So the moral of the story is to try different transistors for the Q1 RF amplifier and the Q2 regen stage. After only a few, you will find a couple that are especially "hot." In fact, you'll be amazed at the difference in the "feel" of the regen action from one transistor to the next. You are finding one that just happens to have a high value of HFE. You can even play around with different NPN's if you wish.

In my original Desert Ratt, I am using a hand-picked 2N3904 for Q1, and a hand-picked MPS918 for Q2. And like Mike Gipe, my MDS is around -120dBm. Although, you will be able to receive several of the major shortwave broadcasters with a MDS as lousy as -80dBm or even worse.

You can do the same for Q4, find one with a higher HFE for more audio gain. The HFE used for Q5 doesn't matter, since it is biased properly with the gain split between the emitter and collector resistors, and Q3 is an emitter follower, which is used as a hi-Z in/lo-Z out converter, and has a voltage gain of 1 (unity) - so put your lousy 2N2222 with the cruddiest HFE there :-)

Kinda like matching crystals!

GL, Paul NA5N

Date: Tue, 1 Jun 1999 23:01:13 EDT
From: RangerSF5@aol.com
To: QRP-L@lehigh.edu
Subject: [41799] Sun Storms May add to Y2K woes
Message-ID: <37f54986.2485f879@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Researchers, using new techniques, are forecasting the sun is going to enter the most violent and disruptive part of its 11 year cycle.

The worst is expected to begin in January,when computers around the world struggle to cope with possible problems caused by the Y2K bug.

As if potential year2000 computer problems are not enough,stormy weather predicted for the sun early next year also could torment Earths mordern technology.

That could mean celebrating the millinennium in the dark,with a dead cell phone.

Ships and planes relying on satelllites for navigation might have trouble.

Even space walking will be considered dangerous.(I always though it was)

Severe solar storms erupting with masive burst of magnetic energy and radiation are expected to continue at their peak untill April.

Solar flares and coronal mass ejections---solar explosions that can equal a million 100 megaton bombs and send shock waves toward the earth.

They can cause power blackouts,block communications, and trigger phantom commands capable of sending satelllites spinning out of their proper orbits. Warnings were posted for space walkers,gps users and cell phone users by the American AstronSociety.

THE GOOD NEWS:

The solar cycle is not expected to be as bad as some in the past and for the first time their may be some warning.

The Government says that sateillets will detect burst on the sun and give us an hours warning(Thought it was three days).said Joann Joselyn of the National Oceanic and Atmospheric Admininistration.

That warning will be posted on the internet and relayed through a special system.

This will give power companies time to align circuits to minimize or avoid damage from electrical surges,she said.

Joselyn also said that energy burst from the sun can cause electrical charges to build up on the surface of satelllites,triggering phantom signals

I read this in the paper today and decided to post it with hopes of Paul giving his input on the story.

Bob

WA2HQrp <tm>

Date: Tue, 01 Jun 1999 20:31:49 +0000

From: Roger Hightower <n7kt@earthlink.net>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [41800] QRP-L CD Archives

Message-ID: <37544335.4E9BBE05@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I have received the QRP-L CD Archives master from Chuck to burn for those who wish one.

If you do, please do one of the following:

- a. Send me a blank CD, and a labeled mailer with postage. Please remove the shrink wrap from the CD jewelcase. I will burn the CD and return it the next day.
- b. If you don't want to go through all that, send me \$10.00 U.S. and a mailing label, and I'll burn the CD and get it off the next day. Personal checks OK.

Mail your requests to:

Roger Hightower, N7KT
1265 W. Kiowa Circle
Mesa, AZ 85202-6620

You can just print this out, cut out my address, and tape it to the mailer/letter. Don't forget to include your own mailing label for the return.

Chuck has done a bang-up job on this. Anything that has happened on the List can be found, in a number of ways. He's also included some other neat stuff that you must have.

72....Roger

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Tue, 1 Jun 1999 21:31:24 -0600
From: "David Ek" <ekdave@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [41801] AB0G0 web site updated with NC20 photos
Message-ID: <000301beaca8\$6741c7c0\$0aa4fc9e@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang,

I overhauled my web site and added some new photos of my shack and my NC20.
Check it out if you're interested:

<http://home.earthlink.net/~ekdave>

72 de Dave AB0GO

Date: Wed, 02 Jun 1999 00:32:10 -0500
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: boice@bigfoot.com, qrp-1@lehigh.edu
Subject: [41802] Re: Headset/boom mike for K2?
Message-ID: <3754C1DA.1F1DB951@central.sun.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Regarding the references to the Heil headsets:

I bought one of Bob's two-element desk mikes a *long* time ago. From that moment on I began to get *frequent* unsolicited comments about "great audio". The second element "sharpens" the audio a bit; sounds less natural but is supposedly better when fishing in the pileups.

I then ordered a mike element and replaced the stock mike element in the hand mike that came with my TS-450s. I use it mobile a lot, and wanted to use the hand mike. Again, after switching elements I started getting compliments about audio.

Summary: Heil mikes are great. If you can't stomach the price of a Heil headset, consider replacing the mike element of a headset you already have or are considering.

<include standard_disclaimer.h>

Date: Wed, 2 Jun 1999 00:05:32 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [41803] Solar cycle/the big one/Art Bell
Message-ID: <Pine.SUN.4.10.9906012309390.28696-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There have been several posts to qrp-l, and quite a few tonight, about the chances of our sun having some dramatic, if not devastating flare activity towards the end of this year. And this is actually a good question.

Scientifically, there is little way to predict solar activity beyond a few days. Solar flares come from sunspot regions on the sun that develop strong and complex magnetic patterns. Large solar flares always come from an area that showed a large build up in it's magnetic fields. However, this does not mean that all regions that are magnetically complex will produce a large flare, or for that matter, any flare. And this is one of the mysteries of trying to predict solar flare activity. Why do some magnetic complex regions produce flares, while others do not? And these complex regions seldom last more than a week. Therefore, predicting a flare POTENTIAL more than a few days is about our current capability.

The only exception to this is a very active region that disappears from the surface of the sun by rotating out of view to the back side of the sun. This will MIGHT still be intact to rotate back into view two weeks later. Sometimes on the solar forecast, you will see where they predict possible flare activity as Region so-and-so re-emerges. This is iffy at best, and does offer a possible flare potential prediction as much as two weeks ahead. But that is about it.

There is no way of predicting a period of especially strong flares say several months away with any scientific merit.

I listen to Art Bell and some of his guests predicting these "killer flares" later this year. I'm not qualified to judge the accuracy of such predictions based on remote viewing, power of the pyramids, the Mayan calendar or bubbling jars of bear fat. But there is no scientific means to predict anything that far down the line. I do get a little disgusted with Art Bell, when he himself, bragging how he's a ham and tracks solar activity, talks about all the huge flares we are having this solar cycle and all the energetic activity. History of solar activity, measured by the total energy output (the solar flux), the effects it has on solar wind, etc. is so very easy to find all over the web. This is the most documented solar cycle yet, and you, in the privacy of your own home, have the ability to access data that is minutes old, that professional astronomers had to wait days for just during the last solar cycle. So the history of this solar cycle is

very well documented and easy to find. (www.dxlc.com for example).

Truth is, this solar cycle is moving along rather sluggish so far compared to others. The highest solar flux so far was 205 on Feb. 14th. The past several solar rotations, it has peaked around 140-150, and about where it is today. Following typical trends, it should be resting at 200 quite regularly right now. The first solar flux of 150 was recorded on August 9, 1998 - or nearly a year ago. Now that was an interesting month by producing 5 X-class flares in the last two weeks, and drove the A-index to a whopping 112! Got everyone all excited, including me. But the sun has been quiet as a mouse since, with only a few M-class flares since.

The point is, there is no scientific basis, or even the trend, to predict some monster flares in the near future, or at years end. I repeat, at a science level.

Could there be some monster flares during this solar cycle? Yes, of course - just based on statistics, but nothing evidentiary at this point. Could a little region on the sun suddenly grow into amazing complexity over a few days and produce the mother-of-all-flares? Yes, of course, just based on statistics. The current trend of this solar cycle has been kinda slow, but that does not mean it couldn't get suddenly very active in the near future and persist with active flares for several months. But to predict it, would be a crap shoot at this point.

As for my personal feelings, I think there is the potential for a couple of very large X-class flares, just because nearly every solar cycle has a couple. The last "granddaddy" flare was in the early 1960's (1964 I think). So we're due for another one by the law of averages. That one caused massive power grid failures all over North America and elsewhere. I also believe even a mediocre X-5 or larger could cause massive failures with our satellite services ... simply because there's a jillion more satellites up there than there was during the last solar cycle, and we depend on them for so many more things. And with the power grids more interconnected than 11 years ago, a major flare/major geomagnetic storm will likely cause very widespread failures in the power grid. Just due to the complexity and inter-dependency of these systems today. And even this is just my "gut feeling." No secret insights.

Personally, with the potential for larger flares over the next 2-3 years, Y2K and it's possible ramifications, some huge hurricanes predicted, maybe a large earthquake, or other reasons, I think the potential for some future power failure events is reasonably high that we should all be ready for. This could imply some modest food storage needs, etc. as well. Heck, a national truck strike could do that. As our world gets more populated and complex, we should expect events that would trigger disruptions in services. But to pinpoint it to a future huge solar flare

when no such prediction method exists, falls into the "urban legend" category rather than any science. But that does not mean it couldn't happen - just no evidence at this point.

For the QRP related part ... QRPers are probably more ready for such an event with most of us having a battery powered rig on hand at most times. And should something happen, QRPers also know where to meet on the air to exchange traffic when all else has failed. At least until the mother-of-all geomagnetic storm hits!

72, Paul NA5N

Date: Wed, 2 Jun 1999 01:01:40 -0500
From: Frank C Hopkins <k5vai@juno.com>
To: QRP-L@Lehigh.edu
Subject: [41804] Heath book barter (?)
Message-ID: <19990602.010144.-81435.0.k5vai@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There are over 60 items on Heathkit in my cabinet: Manuals, notes, articles, all kinds.

But I don't have anything on the IC-4505 Scope Calibrator or the EU-41A 0-15 V. p/s

Now it is easy to get compasson fatigue to "Manual Needed" posts, so what I propose is that if you can help on either of these items, e-mail me for the list. Or you might just want to see it, which is OK, but this is not a SPAM and I do not wish to sell any of the original manuals, here, for nothing.

But I have lots of information I can copy. The Heath stuff is about 20% of the cabinet.

de Frank C. Hopkins, K5VAI
Box 226841, Dallas, TX 75222
"Better a Blooper than a store-bought 'super.'"

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 02 Jun 1999 02:07:11 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [41805] Numbers
Message-ID: <3.0.32.19990602020707.006da9bc@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Gang,
Do we really need all those numbers and junk after every message?
I'd rather have your dog's name. In fact, one of the best pictures
I've ever received was from a friend of "Jim the dog".
I enjoy a bit of humor anytime but please don't slow down the info
rate with your name, rank and machine gun number.
'nuf sed dit dit
72/73/ to the OFs
88 to the ?????? rest. Pete NV4Vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv

Date: Wed, 02 Jun 1999 01:09:42 -0500
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: QRP-L@lehigh.edu
Subject: [41806] QRP-L CDs v2.0 available here, too
Message-ID: <3754CAA6.50F499BC@central.sun.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm ready to take orders for the QRP-L CD. As luck would have it, I
waited just long enough to catch Chuck's note about the filename error,
so I will have that incorporated.

Hmm... better make that "QRP-L CD v2.0.1" ;-)

I can supply a blank CD or accept one from you.

Plan A: Your blank CD

Put a blank CD in one of those plastic sleeves (i.e. don't send the
jewel box). Put this CD in a sturdy cardboard mailer. Put your mailing
address on the mailer. Put postage on the mailer. (Typical postage is 55

cents, though if you use a bubble mailer or one of those thick padded mailers it might be 78 cents.) Now put this mailer into a larger (of course) mailer addressed to me (see below). Write your name and email address on a small slip of paper and enclose it as well.

Plan B: I provide blank CD

Send a check for \$10 payable to "Jeff Logullo" to me (see below). Please enclose a self-adhesive mailing label with your mailing address. Write your name and email address on a small slip of paper and enclose it as well.

Send your package to:

Jeff Logullo
539 Arbor Meadow Drive
Ballwin, MO 63021-7368

Upon receipt, I will email you to confirm receipt of your package--IF you remembered to enclose your email address :-)

Questions? Send email to me at jeff.logullo@sun.com; make the subject line "NOMII QRP CD".

73,
Jeff

Date: Wed, 2 Jun 1999 00:09:04 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: <jeff.logullo@Central.Sun.COM>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41807] Re: Headset/boom mike for K2?
Message-ID: <013501beacc6\$cff9a8a0\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't I just see an MFJ announcement of a nice looking (very Heil-ish!) headset with boom mic for about \$20? Maybe I was dreaming?

Dave F.
AD6A

Date: Wed, 02 Jun 1999 04:12:40 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [41808] Re: Solar cycle/the big one/Art Bell
Message-ID: <3.0.32.19990602041237.006856b4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

[illegible]

Date: Tue, 1 Jun 1999 19:55:13 -0700
From: gsurrency@juno.com
To: rohre@arlut.utexas.edu
Cc: qrp-1@Lehigh.EDU
Subject: [41809] Re: Challenger Ant. and Gap products
Message-ID: <19990602.025952.-401689.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Stuart,

When I was setup at Englewood, I had a sloper dipole with one end attached to a TV mast, and the other end sloped over the salt water and dock at the edge of the lot that borders the Intercoastal Waterway. The slope was in the direction of Europe.

On last Friday before the WPX contest, I easily heard and worked any station I called with the NC20 and 5 watts. Many of the stations were warming up for the 'test, and a lot of them were running 5 to 7 element yagis and 500-1000 watts. One fellow in OK3 land called me QRP and he was a good 579. He later went QRO to 700 watts and I had to take my headphones off to prevent ear damage!

I have not heard the number of stations since, at the setup I have here at Palm Harbor. So, I would say from direct experience that an antenna setup over saltwater works very FB indeed! :-)

And yes, the NC20 is practically bullet proof as Tim described.....

72,

Gary Surrency
AB7MY
Palm Harbor, FL

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 02 Jun 1999 08:01:32 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [41810] Re: Solar cycle/the big one/Art Bell
Message-ID: <3754D6CC.DE918603@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While there is no real way to predict when and how big solar flares will be, or CMEs either, it is a safe bet that there will be some BIG ones sometime. Probably have some big ones in this solar cycle.

Nearly all of the satellites operating in orbit (maybe even all) were not there at the peak of the last solar cycle. All of the design techniques and operational strategies to help the satellites survive flares and CMEs are theoretical and have never been tested in the 'real thing', so we can expect some failures.

Remember a while back, how the failure of ONE satellite took down the vast majority of all pagers in North America, causing major problems?
Now consider how it might be if, say, 5% of the satellites in orbit failed at one time.
It would be messy at best.
It would NOT be the end of the world but we would be without a lot of

modern
conveniences for a while.

The tricky part is we won't know which systems will fail until it happens.

It could be a big boost for Ham Radio when people see hams talking on HTs even though the phones are not working. :-))

michael N6CHV

na5n@rt66.com wrote:

>
> Gang,
> There have been several posts to qrp-l, and quite a few tonight, about
> the chances of our sun having some dramatic, if not devastating flare
> activity towards the end of this year. And this is actually a good
> question.

> I also believe even a mediocre X-5 or larger could cause massive failures
> with our satellite services ... simply because there's a jillion more
> satellites up there than there was during the last solar cycle, and we
> depend on them for so many more things.

Date: Wed, 2 Jun 1999 08:25:48 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: gsurrency@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41811] Re: Challenger Ant. and Gap products
Message-ID: <Pine.3.89.9906020841.A10662-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Jun 1999 gsurrency@juno.com wrote:

>
> When I was setup at Englewood, I had a sloper dipole with one end
> attached to a TV mast, and the other end sloped over the salt water and
>
> I have not heard the number of stations since, at the setup I have here
> at Palm Harbor. So, I would say from direct experience that an antenna
> setup over saltwater works very FB indeed! :-)
>

Ain't it great! We'll be running in Field Day with QRP in about three weeks from the FL Keys - with the vertical right at the waters of the Gulf of Mexico and the Atlantic just across the street.

Bob Patten, N4BP , ' ' ' , (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Wed, 02 Jun 1999 07:45:32 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [41812] Code No Code Debate Makes Wall Street Journal
Message-ID: <3755276C.B717139D@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FYI:

Does Morse Code Keep Barbarians
At Bay or Fuel Ham Radio's Decline?

By LEE GOMES
Staff Reporter of THE WALL STREET JOURNAL

Morse Code is a dying language in the Digital Age,
but it's still required
reading for amateur radio buffs.

The debate over whether it should stay that way,
however, has provoked
some intemperate words, warnings of an impending
invasion of riffraff and
counteraccusations of elitism among the nation's
half-million
two-way-radio hobbyists, who call themselves "hams."

Unlike CB, or citizens band, radio, which is open to
anyone with a
transmitter, ham operators must have a license from
the Federal
Communications Commission. For much of the century,

one of the requirements for the most advanced of these licenses has been a 20-word-a-minute test in deciphering Morse Code, a skill that can take years to learn. The code, developed 155 years ago by Samuel F.B. Morse, inventor of the telegraph, uses dots and dashes -- or short and long bursts of sound -- to represent letters and numbers.

Outburst of Static

Now, as part of a proposed streamlining of its licensing procedures, the FCC is contemplating relaxing the Morse Code requirement. The issue won't be decided until the end of summer, but it is already generating plenty of static in the ham-radio world. The two sides in the debate -- the no-coders and the coders -- have flooded the FCC with more than 2,200 comments.

Both groups insist they are fighting for the very soul of ham, a term whose origins are shrouded in mystery. Coders say they are trying to put the brakes on a slide toward diminished standards. No-coders say they are fighting an anachronism that threatens the future of their hobby. The controversy has spawned dueling Web sites, speakers bureaus, newsletters and Washington lobbying drives.

"To say that ham-radio operators are intense about this is hardly an understatement," says William T. Cross, the FCC's lead staff person on the question. "People have invested thousands of hours of their time in ham radio, and often tens of thousands of dollars of their money."

With the rise of computers and the Internet, the

ranks of hams have all but
have nearly killed
communications by
ago. But it still holds
"Independence Day," for
CW, for continuous
battle plans.

reputation as a
myth than fact.

Their main organization is No-Code International,
founded in 1996 by
programmer. Mr. Perens says
convention and realizing
age. He and other
long hours learning an
antiquated technology is a turnoff for young people.

be there for them
people learn how
to ride a horse before they drive a car."

Minority View

In the world of ham radio, however, Mr. Perens is in
the minority; most
especially since they
organized of his
its name comes from
good fist."

Nancy Kott, a Fists leader, all but accuses the no-coders of taking bribes from ham-radio makers, whom she says want the Morse requirement abolished to attract more ham buffs and thus sell more equipment. "There are so many reasons for keeping Morse Code that I could go on forever. It ties us in with our history. It gives a sense of discipline. These days, people want instant gratification. They want to get on the air right now."

The coders are haunted by the specter of CB radio -- a 1970s fad that led to a lot of bad on-air behavior, which in turn contributed to the demise of the fad. "If it's not CW, then it's CB," is a popular coder slogan.

Indeed, Fists members say that crude, shock-jock talk is already creeping onto the ham channels, and that the floodgates will be wide open without the screening provided by the Morse Code requirement.

Oscar Hollander, a Fists member, gives a visitor to his San Francisco home a tour of the ribald parts of the ham-radio spectrum. "They are usually right around here," he says, spinning the dial on his short-wave radio. A few seconds later, a male voice is heard uttering a stream of vulgarisms. "If I had a young daughter, I wouldn't want her to hear this," says Mr. Hollander, who prefers to let Morse's "dits" and "duhs" do his talking for him.

Mr. Perens, the no-coder activist, isn't worried about a post-Morse ham world inhabited by barbarians. For one thing, there will still be rigorous tests on technical topics people will need to pass before they get a license. "I don't think the new people coming in to ham will

be riffraff," he says.

"The riffraff have no reason to leave the Internet."

Date: Wed, 2 Jun 1999 06:51:27 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41813] Re: Solar cycle/the big one/Art Bell
Message-ID: <002401beacf7\$265bc2c0\$e68611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks:

There was an article on the front page of my local newspaper, the Fort Collins, Coloradoan, yesterday. The headline read: "First Y2K, now sun-gone-mad may zap our techno-gadgets".

A quick search of the AP web site produced the article in its entirety.

The newspaper version, left out a fair bit of detail making it more sensationalistic. I'll try to post our newspaper's "edited" version in a day or so.

Rod, NØRC

----- Original Message -----
From: Paul Harden, NA5N <na5n@rt66.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 02, 1999 12:05 AM
Subject: Solar cycle/the big one/Art Bell

> Gang,
> There have been several posts to qrp-1, and quite a few tonight, about

And now the news media...

JUNE 01, 01:50 EDT

Sun's Weather May Add to Y2K Woes

By PAUL RECER
AP Science Writer

CHICAGO (AP) - Computer date confusion about the Year 2000 is not the only problem Earth's technology is going to face when the new year rolls in. Astronomers say they're also worried about an angry sun.

In January, just as computers around the world are coping with the Y2K bug, the sun will enter the most violent and disruptive phase of its 11-year cycle.

Massive bursts of energy from the sun could mean celebrating the new millennium in the dark, with dead cellular phones. Ships and planes relying on satellites for navigation might have to haul out old-fashioned maps. Even spacewalking astronauts could be at risk, according to reports Monday at the national meeting of the American Astronomical Society.

Researchers, using new techniques, are forecasting the sun's cycle to peak during the months of January to April. The sun is expected to be busy with solar flares and coronal mass ejections - solar explosions that can equal a million 100 megaton hydrogen bombs.

Waves of solar energy can trigger power blackouts, block some radio communications and create phantom commands capable of sending satellites spinning out of their proper orbits.

There were two pieces of good news: The solar cycle is not expected to be as severe as some in the past, and, for the first time, there may be some warning, thanks to a government satellite that will detect bursts of solar energy and send about an hour's notice, said JoAnn Joselyn of the National Oceanic and Atmospheric Administration.

That warning, posted on the Internet and relayed through a special system, will give power companies time to align circuits to minimize or avoid damage from electrical surges, she said. Satellite operators can power down equipment or prepare to send corrective signals to their spacecraft.

Scientists have plotted 23 solar cycles, using historic and modern measurements. But the current cycle may be the most disruptive ever because much of the vulnerable communications technology now in use is new and has not been exposed to maximum solar activity, Joselyn said.

''The explosion in technology is intersecting with an extremely disturbed space environment,'' Joselyn said. ''There is much higher risk now because we depend more on technology that is vulnerable.''

Joselyn said energy bursts from the sun can cause an electrical charge to build up on the surface of satellites, triggering phantom signals.

In an earlier solar cycle, she said, small rocket thrusters on a satellite suddenly started firing, sending the spacecraft out of position. Control of another satellite was lost when its gyroscopes were disrupted.

Joselyn said cellular telephones may be vulnerable because they can use the ionosphere - the region of electrically charged gases in the upper atmosphere - to send radio signals, and bursts from the sun can disturb the ionosphere. Some cellular phone systems depend on satellites that are at risk too.

Solar energy eruptions can cause warm air to surge up from the Earth. That can drag some satellites to lower orbits, forcing satellite operators to use rocket fuel to reposition the spacecraft.

Worldwide navigation, for ships and airplanes, relies heavily on the Global Positioning Satellite system, which uses a fleet of satellites that can be affected by the sun, Joselyn said.

``I am worried about the GPS more than anything else,'' she said. ``We're starting to land airplanes with that system now.''

Electromagnetic energy from the sun can send huge waves of electrical energy surging along power lines, shorting circuits and burning out equipment. A 1989 solar storm caused a province-wide blackout in Quebec, and coils in a transformer station in Salem, N.J., melted and caught fire, causing a regional outage.

Astronauts generally are safe inside the space shuttle or the International Space Station, but future missions to the moon or Mars will have to guard to solar radiation bursts.

``On the moon, they could get enough radiation to be lethal,'' said Joselyn. ``If we fly to Mars, we'll have to consider the hazardous radiation from the sun.''

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Comments and questions

* * *

Date: Wed, 2 Jun 1999 08:58:59 EDT
From: K2UD@aol.com

To: qrp-1@lehigh.edu
Subject: [41814] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <23354ab.24868493@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FISTS, a militant pro-Morse group? What's next, the left-wing radical QRPers?

72

Howard Kraus, K2UD
CW soldier of fortune

Date: Wed, 2 Jun 1999 09:22:34 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [41815] Re: Solar cycle/the big one/Art Bell
Message-ID: <008001beacfa\$fccf5440\$9001a8c0@mikey.wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>To Paul and the group,
>As the recipient of several alien UFO abductions, I feel that I must
>speak out. After 3 investigations into my body the slanty-eyed aliens
>detected the smell of Snickers Candy bars and will agree to mitigate
>the flares for 3 boxes of Snickers Bars and a fifth of Wild Turkey.
>72/73/88...Running hot, straight and normal in the Bluegrass
>Pete...NV4V vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv IC1(P1)(P3)SS

All right! I like this post! And it probably is JUST as valid or maybe even more so than the 'alarmist' post about flares and Y2K.

Hey, can you promise to fix the Y2K problem if with throw in a Reese's Peanut Butter Cup?

Mike Yetzko
N1DVJ

Date: Wed, 02 Jun 1999 09:15:56 -0500
From: Brad Bradfield <b_bradfield@yahoo.com>
To: na5n@rt66.com, qrp-1@lehigh.edu
Subject: [41816] Re: Solar cycle/the big one/Art Bell
Message-ID: <37553C9A.4414A34B@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul says - - -

". or bubbling jars of bear fat."

Hey, wait a minute! Isn't that how the weather guessers get their forecasts?

72's es 73's,

Brad, W5CGH

Date: Wed, 2 Jun 1999 07:53:02 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41817] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <003901beacff\$41f58540\$e68611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <K2UD@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 02, 1999 6:58 AM
Subject: Re: Code No Code Debate Makes Wall Street Journal

> FISTS, a militant pro-Morse group? What's next, the left-wing radical QRPers?

GIVE ME MORSE CODE, OR GIVE ME DEATH! tic

Just couldn't resist, ;-)

Rod Cerkoney
militant FISTS member.

P.S. How about goings to Boston Harbor and throwing our microphones in?

Date: Wed, 2 Jun 1999 09:03:21 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <rlwc@frii.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [41818] RE: Code No Code Debate Makes Wall Street Journal
Message-ID: <0000001bead00\$add14190\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NO DON'T DO THAT! You'll have the EPA on us for putting Chromium or Copper or something like that into a river. Then you'll have the Sierra Club on you for killing a sea turtle after it ate your microphone because it was shiny. Just keep the thing and use it to crack pecans and walnuts.

Kevin, WB5RUE
Leenyers? We dunt need no steenking leenyers!

> ----- Original Message -----
> From: <K2UD@aol.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Wednesday, June 02, 1999 6:58 AM
> Subject: Re: Code No Code Debate Makes Wall Street Journal
>
> Rod Cerkoney
> militant FISTS member.
>
>
> P.S. How about goings to Boston Harbor and throwing our
> microphones in?
>
>

Date: Wed, 02 Jun 1999 10:04:26 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41819] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <375539E9.1121CDA2@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>
> world inhabited by barbarians. For one thing, there
> will still be rigorous
> tests on technical topics people will need to pass
> before they get a license.
> "I don't think the new people coming in to ham will
> be riffraff," he says.

rigorous technical topics?

let's see.. they give you all the answers to the test beforehand.. and it's multiple choice... i think they've dumbed the test down as far as it can go...

so, the gist of the whole thing is.. give everyone the answers to the test beforehand... drop the code test...

that is such the american way... if anything is too tough, or you have to get off your butt to do it.. make it easier.. that way, everyone can be homogenized.. and no one feels that they are not okay..

if they are so into no code, they should just buy a cb and get it over with..

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Wed, 2 Jun 1999 06:53:05 -0700 (PDT)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [41820] Vibrokeyer help...
Message-ID: <19990602135305.27892.rocketmail@web1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Gang,

My dad (K1EYB) has a Deluxe Vibrokeyer. It's about 3 years old with very few hours of use. After it started to drop a few random dits and dahs, I took a look at it for him. I discovered that the lever arm was losing its ground. The path is via the rim of jeweled trunion (spindle?) screws. Too tight OR too loose and the ground path is open. Adjusting the tension between the two extrems and it works intermittantly. Anyone out there with a vibrokeyer experience this? Suggestions?

Thanks,
-Dale

=====
Dale Anderson In the Mt Washington Valley
KB0VCC Conway, New Hampshire
QRP-L #91 / CQC #251 Grid Sq: FN43KX
ARS #234 / FISTS #3172 <http://www.qsl.net/kb0vcc>
=====

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 2 Jun 1999 07:11:40 -0700
From: Brian Murrey <brian@iquest.net>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41821] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <99Jun2.071413pdt.17026@firewall.bellind.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Now that was an incredible article. I think the WSJ needs to stick to financial reporting.

I didn't even know I was a militant. Wow.

--

=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud to be a member of the American Radio Relay League
=====

Date: Wed, 2 Jun 1999 09:13:15 -0500
From: "Bob Reynolds" <breynold@SIGG.COM>
To: <qrp-1@Lehigh.EDU>, <sjolin@swbell.net>
Subject: [41822] Code No Code Debate Makes Wall Street Journal -Reply
Message-ID: <99Jun2.091715cdt.155016@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Looks like the WALL STREET JOURNAL staff writer Mr. Gomes doesn't let =
lack of knowledge get in his way. Morse did invent the telegraph, but NOT =
THE CODE! Maybe his next article will be about George Washington =
inventing the atomic bomb.

=20

>>> By LEE GOMES=20
>>> Staff Reporter of THE WALL >>>STREET JOURNAL

>>> The code, developed 155 years ago by
>>>Samuel F.B. Morse, inventor of the >>>telegraph,....=20

Date: Wed, 2 Jun 1999 10:15:30 +0000
From: "Nancy WZ8C" <nancy@tir.com>
To: qrp-1@lehigh.edu

Subject: [41823] Militant FISTS
Message-ID: <199906021417.KAA00299@franz.tir.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Just for the record, I didn't tell the WSJ that FISTS was a militant group! While my personal attitude during the conversation with the reporter could have been construed as militant...I made it clear to him that those were MY opinions and FISTS was not a political lobbying group.

But, I do like the suggestion of having a tea party with the mics, hi! <S>

73
Nancy

Date: Wed, 2 Jun 1999 09:33:01 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [41824] RE: Code No Code Debate Makes Wall Street Journal
Message-ID: <000001bead04\$d1821430\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I RESEMBLE THAT REMARK! Now I think I'll take my medicine and go back to my room.

Kevin

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Brian Murrey
> Sent: Wednesday, June 02, 1999 9:12 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Code No Code Debate Makes Wall Street Journal
>
>
> Now that was an incredible article. I think the WSJ needs to stick to
> financial reporting.

>
> I didn't even know I was a militant. Wow.
>
> --
> =====
> KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
> 39.558 N 86.095 W Johnson Co., Indiana
> GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
> Proud to be a member of the American Radio Relay League
> =====
>

Date: Wed, 2 Jun 1999 08:39:11 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41825] TV Channels
Message-ID: <Pine.OSF.4.05.9906020838450.10161-1000000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for all the help.

Brian.

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca http://duke.usask.ca/~buydens |
| VE5RDV |
+-----+

Date: Wed, 02 Jun 1999 09:43:33 -0500
From: crc <crc@io.com>
To: rwc@frii.com, QRPL <QRP-L@Lehigh.EDU>
Subject: [41826] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <37554315.30C7C858@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

If we are a militant group do you think they will want to confiscate our fully automatic keyers, and limit semi-automatic bugs to people over 21? Maybe register all J-38's ?
Charlie WA5KRF

Date: Wed, 2 Jun 1999 08:45:00 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Brian Buydens <buydens@duke.usask.ca>
Subject: [41827] Regens
Message-ID: <Pine.OSF.4.05.9906020839170.10161-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is there a good source for a mathematical model of the signal coming out of a regen? At first blush I thought of something like this:

let $f(t)$ be the signal coming out of the regen stage. Let A be the gain of the stage and let h be the time it takes the signal to travel through the stage. Then

$f(t) = c_1 * f(t-h) + c_2 * f(t-2h) + c_3 * f(t-3h) + \dots$ there c_1, c_2, c_3 are bounded above by A . This kind of reminded me of noise reduction through averaging that one sees in DSP. Am I on to something or am I missing something?

Brian.

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca http://duke.usask.ca/~buydens |
| VE5RDV |
+-----+

Date: Wed, 02 Jun 1999 09:45:55 -0500

From: Dave Sjolín <sjolin@swbell.net>
To: nancy@tir.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41828] Re: Militant FISTS
Message-ID: <375543A2.6986741B@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nancy WZ8C wrote:

>
> Just for the record, I didn't tell the WSJ that FISTS was a militant
> group! While my personal attitude during the conversation with the
> reporter could have been construed as militant...I made it clear to
> him that those were MY opinions and FISTS was not a political
> lobbying group.

Dont worry Nancy, we're lucky they didnt report that FISTS was part of a militia group. You know where accuracy falls in the list of priorities for reporters today. Seems to me that many give higher priority to entertainment and the bottom line. Dont get me wrong, I hope they make lots of dollars, but at same time, what they write should have some connection to reality.

73 de Dave, N0IT

Date: Wed, 2 Jun 1999 15:42:22 +0100
From: "Ted Williams" <tedw@btinternet.com>
To: "QRP-L" <qrp-1@lehigh.edu>
Subject: [41829] Regen rx
Message-ID: <000201bead06\$af821720\$3f3eac3e@btinternet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been harassed (pron. h-A-rassed, Oxford English dictionary) indirectly by arch hustler Doug Hendricks to submit an entry to the regenerative receiver construction contest at Hamcom, Dallas.

This I was prepared to do until I was privileged to see the entry prepared by Tony, G4WIF.

This is really beautiful; it has both looks and performance,

in a sleek anodised case. Furthermore, the design of circuit and mechanics is entirely original, and is certainly no Chinese copy of a commercial kit. I am forced to realise I really can't compete, so I'm reluctantly bowing out.

I understand there is some sort of 'side' competition with Doug, involving an unlikely combination of Cheese and Guinness, which I somehow guess will not now get to pass Doug's lips.

I can't wait for the judging ;-))

72, Ted G0ULL

Date: Wed, 2 Jun 1999 07:51:36 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: crc <crc@io.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41830] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <Pine.BSI.3.96.990602075109.9502B-100000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

When keys are outlawed, only outlaws will have keys.

On Wed, 2 Jun 1999, crc wrote:

>
> If we are a militant group do you think they will want to confiscate our
> fully automatic keyers, and limit semi-automatic bugs to people over 21?
> Maybe register all J-38's ?
> Charlie WA5KRF
>

/ What's all this \
/ extinct stuff, anyhow? /

_ |/
oo\
(--)\
\\ \ . . \
\\ \ ' ' \
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\\ \ ' ' \

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,

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| | | | \
c__; c__; '-..'>._

QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Wed, 02 Jun 1999 10:53:06 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [41831] Re: Appliance repair problem
Message-ID: <73300@w4bkx.ampr.org>

I got a set, from Snap-On, some years ago called "Screw extractors".
Another name for similar tools from other manufacturers is "Easy-Out".
Contains drill bits of appropriate sizes and (reverse) threaded extractors.
Used often and I wouldn't be without'em!
de Scott / W4PJ

Date: Wed, 02 Jun 1999 09:57:53 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kb0vcc@rocketmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41832] Re: Vibrokeyer help...
Message-ID: <37554671.824F4E95@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Found the same thing when I bought my keyer new back in the 70's or so.
My solution was to connect short lengths of very small, flexible braid to
the paddle arms and to the base. Hard to describe how to do it, but
obvious when you look at the keyer. Very poor design but easily fixed "in
the field."

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County

QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

KB VCC wrote:

<much snip for the auditor>

Anyone out there with a vibrokeyer experience this? Suggestions?

>

> Thanks,

> -Dale

Date: Wed, 02 Jun 1999 10:03:27 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41833] Re: Militant FISTS
Message-ID: <375547BF.2C4C9248@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't condone the WSJ author for his flights of imagination, but actually if you didn't know otherwise wouldn't you think that an organization named FISTS was anything but a group of mild-mannered, peaceful key thumpers? The very name arouses visions of raised, clenched fists waving around demanding <whatever>.

The name makes sense for us and I respect it, but in today's real world, a name like FISTS is just asking for it - and we got it.

Would I change it? Not on your life!

But, let's not be too surprised when the "rest of them" don't understand us.

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Dave Sjolin wrote:

>

> Nancy WZ8C wrote:
> >
> > Just for the record, I didn't tell the WSJ that FISTS was a militant
> > group!

> Dont worry Nancy, we're lucky they didnt report that FISTS was part of a
> militia group.
> 73 de Dave, N0IT

Date: Wed, 02 Jun 1999 11:06:34 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [41834] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <3.0.32.19990602110631.006ec8f0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:43 AM 6/2/99 -0500, you wrote:
>
>If we are a militant group do you think they will want to confiscate our
>fully automatic keyers, and limit semi-automatic bugs to people over 21?
>Maybe register all J-38's ?
>Charlie WA5KRF

Not until they pry my key from my cold, dead, hand.
WOW! Here we go again with the forever debate!
73 Pete NV4V

Date: Wed, 2 Jun 1999 08:19:44 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41835] Re: Regens
Message-ID: <Pine.BSI.3.96.990602081320.28090A-1000000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If we were interested in a regenerative amplifier and not a
detector, there is an excellent mathematical model in:

Kharkevich, A.A., "Nonlinear and Parametric Phenomena in
Radio Engineering," Rider, 1962

Chris / N7ZWY

```
> Is there a good source for a mathematical model of the signal coming out
> of a regen? At first blush I thought of something like this:
>
> let  $f(t)$  be the signal coming out of the regen stage. Let  $A$  be the gain
> of the stage and let  $h$  be the time it takes the signal to travel through
> the stage. Then
>
>  $f(t) = c_1 f(t-h) + c_2 f(t-2h) + c_3 f(t-3h) + \dots$  there  $c_1, c_2, c_3$  are
> bounded above by  $A$ . This kind of reminded me of noise reduction through
> averaging that one sees in DSP. Am I on to something or am I missing
> something?
>
```

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      ,-----' \
     /   What's all this   \
    / extinct stuff, anyhow? /
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<http://www.primenet.com/~ctrask>

Date: Wed, 02 Jun 1999 09:23:52 -0600

From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu
Subject: [41836] Fix for NC20 AGC Drift
Message-ID: <3.0.3.32.19990602092352.00939860@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's another NorCal 20 modification that may be of interest:

The warm-up drift in the AGC zero-signal voltage can be essentially eliminated by a very simple mod: Insert a 1N914 (or 1N4148) in series with R63 to ground (the diode's cathode goes to ground). You can install the diode on top of the board (vertically) next to R63 - cut the lead from R63 to ground and insert the diode. Readjust VR5 for the proper zero-signal AGC voltage; if you can't get the AGC voltage high enough, replace R63 with a smaller value (680 Ohms worked for me). Before I made this mod, the AGC voltage drifted about 300mV during warm-up. After the mod, the drift was less than 10mV.

If you didn't receive my previous mods and would like a copy, send me email.

72, Larry W1HUE
w1hue@amsat.org or w1hue@arrl.net

Date: Wed, 2 Jun 1999 08:35:49 -0700 (PDT)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [41837] Vibrokeyer help. THANKS!
Message-ID: <19990602153549.13139.rocketmail@web4.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

WOW, that was quick! Thanks to all who responded to my query on the Vibrokeyer's lever grounding problem. The recommended "fix" is unanimously, a light ground braid be run to the beam. Apparently, this ground problem is historically a "feature" of Vibroplex products, and well known among the Vibroplex enthusiasts. I was concerned that something may have been missing or that the jewels wear VERY quickly. It's a beautiful instrument if you like the sideswipe action. Think I'll keep my Benchers tho'. Anyway, will perform the mod this evening and return it to dad. He doesn't enjoy his J-38 as much as he does this paddle.

Thanks again everyone!

72/73,

-Dale

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 2 Jun 1999 08:39:46 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: crc <crc@io.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41838] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <Pine.SOL.3.96.990602083515.2179A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Jun 1999, crc wrote:

>
> If we are a militant group do you think they will want to confiscate our
> fully automatic keyers, and limit semi-automatic bugs to people over 21?
> Maybe register all J-38's ?

I think they should ban all hi capacity memories! No one needs
more than 10 dits!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 2 Jun 1999 10:37:10 -0500
From: Jim Ek <JIM-EK@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41839] RE: Code No Code Debate Makes Wall Street Journal
Message-ID: <01BEACE3.E9C97400@36.chicago-07.il.dial-access.att.net>

Famous quotes CW paraphrased

"DARN THE MICROPHONES.....FULL KEY AHEAD."

"I REGRET I HAVE ONLY ONE KEY TO GIVE TO MY COUNTRY."

"A KEY IN TIME SAVES NINE."

"IT AIN'T HEAVY IT'S MY KEY."

"WALK RIGHT IN, SET RIGHT DOWN, BABY LET YOUR MICROPHONE FALL DOWN."

(?) spending way to much time studying CW.

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From: Dave Sjolin[SMTP:sjolin@swbell.net]
Sent: Wednesday, June 02, 1999 7:45 AM
To: Low Power Amateur Radio Discussion
Subject: Code No Code Debate Makes Wall Street Journal

FYI:

Does Morse Code Keep Barbarians
At Bay or Fuel Ham Radio's Decline?

By LEE GOMES
Staff Reporter of THE WALL STREET JOURNAL

Morse Code is a dying language in the Digital Age,
but it's still required
reading for amateur radio buffs.
<giant snip>

Date: Wed, 02 Jun 1999 10:52:08 -0500
From: Mike Martin <mmartin@netins.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41840] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <37555328.CC652F6@netins.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

crc wrote:

>
> If we are a militant group do you think they will want to confiscate our
> fully automatic keyers, and limit semi-automatic bugs to people over 21?
> Maybe register all J-38's ?
> Charlie WA5KRF

Probably institute a background check and 3 day waiting
period before you can buy a key at a hamfest.

Mike
KA0AMA

<http://www.netins.net/showcase/themartins>
mmartin@netins.net
ICQ: 6647368
YAHOO: mmartin51
AIM: isfp39

There are four kinds of homicide: felonious, excusable,
justifiable and
praiseworthy...

Date: Wed, 2 Jun 1999 10:54:30 -0500

From: George F Franklin <w0av@juno.com>
To: w1hue@amsat.org
Cc: qrp-1@Lehigh.EDU
Subject: [41841] Re: Fix for NC20 AGC Drift
Message-ID: <19990602.105431.-300969.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Larry

I did the same thing by adding a 7805 voltage regulator.

Your fix is simpler and cheaper!

72 de George/W0AV

Date: Wed, 2 Jun 1999 09:11:25 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [41842] Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
Message-ID: <01bead12\$90a4f960\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy, yesterday was full. Worked all day, last week of school before finals, and the kids take some real attention this week! Grin. Then, after school, did the last 7000 caps, and also put the cap kits in bags. Jim and I are meeting this evening in Modesto to make the exchange, and he will mail the first 200 kits on Friday.

I finally got home for good at 10:00 PM (came home for dinner earlier, then back to the caps) and looked at the mail and there it was. The package from Jay Bromley! My Marker Generator kit from the Ft. Smith QRP Club was here!! Happy dance time.

Then, I made the mistake of telling my wife that it should only take about 10 minutes to build. She said ok, the clock is on you! Wait I said, that isn't fair, let me get all of the tools so I can have a fair shot. Out comes the soldering station, the water soluble solder that Chuck Adams turned me on to and I love, and I am ready to go.

I tell JoAnne, ok, start the clock on this baby. First thing is to solder in the IC, piece of cake, but I do make sure that I orientate it correctly. Put the notch on the chip where the dot has been added to the silk screening. Solder the 16 pins done, next the 1 Meg resistor. Then the .1 cap. This one I straighten the pins on, as it is the type that has about 3 or 4 squiggles in it to fit some kind of board spacing. Then the 27pF cap. Next the trimcap. The last thing is the crystal. It has prebent leads, and again, I straighten them before soldering, taking care to do it quickly as I don't want to heat up the crystal too much. Next I add the two leads of the 9V battery connector, and finally, the 6 inch piece of solid #24 wire for the antenna goes in the 5 kHz hole. Hey I am done!! I ask my wife how long it took. She says so far you have used 12 minutes but she informs me that I am not done. She mentions that I have to cut off the leads on the parts sticking through the board. No sweat, all I have to do is get the dikes and snip them off, just a minute or so. Then it happens. I can't find the diagonal cutters. I look everywhere. In my radio room, in my daughters bedroom, in the bathroom (nature calls and sometimes you take tools with you and forget them there), in the garage (you ever see my gargage???), no diagonal cutters. 25 minutes go by. My wife is laughing at me trying to find the cutters. Finally I ask, "Honey, have you seen my blue handled diagonal pliers, you know the ones I cut the wire with?"

She says, "Look in the top drawer on the left side of the stove by the sink." I walk over, open the drawer and there it is!

"Why didn't you tell me where it was" I ask.

"You didn't ask, how was I to know what you were looking for. All you had to do was ask." She says in that all knowing wifely tone. (Of course it doesn't matter that she was the one who hid it there!!).

I snip off the wires, and proudly say, "There, 13 minutes from start to finish. Not bad."

JoAnne, looks at her watch and says, "My watch says 38 minutes." Darn, she was right.

The neat thing was that it worked like a charm. I plugged in the battery, went to my ICOM735 Test gear and tuned. Every 5 kHz, a nice tone. I tune to WWV, zerobeat it and then zero beat the trimcap and voila, a Poor Man's signal generator works! Great kit, excellent parts, one of the best boards that I have ever seen from FAR circuits, and fun to build.

Then it happens. I look at the board, the 9V battery hanging by its leads and I think. This thing is going to break off sooner or later. Then the lightbulb goes on. I drill two holes, 1/8" in size right by the battery wire holes on the board. Then I lay the leads on the board, use a wire tie though the holes and use it to hold the leads as a strain relief! Now, I

don't have to worry about the weight of the battery causing the leads to break off at the board. I drilled the holes right beside the IC and over the VE3DNL on the circuit side of the board. Sorry Glen, but your call is still on the silk screened side. That is mod number 1.

I go to bed. About 30 minutes later, I think of another mod. There are holes on the board for 5, 10, 20 or 40 kHz. What it needs is something that will enable you to choose the tone you want. How about a switch, nah, too much bulk. Then it hits me. Those snap apart SIP headers. Why couldn't I take one of those and put it in each hole and solder the 6" antenna wire to another. Then, all I would have to do is put the antenna in the "SIP Socket" to choose the marker I wanted. Gotta try that one tonight. Mod #2 is working in my mind.

If I can do that, and it works, here is a great use. Say you want to find 7.040 on your NorCal 40, SWL+, etc. You don't have an AFA or a Frequency counter. All that you do is set your Ft. Smith Marker Generator to 40 kHz, and turn it on. Set it next to your Elmer 101 rig and find the tone. Zero beat, and you are exactly on 7.040! What if the fox says he will be on 7.035? Simple, find 7.040 as above, then switch the antenna wire to the 5 kHz slot, and tune down to the next tone!! Thanks to Jay Bromley and the Ft. Smith QRP Club for the kit, Glenn Leinweber for designing it, Chuck Adams for turning me on to it, and my wife, without her help I would still be looking for those dikes.

If you want to order a VE3DNL Marker Generator from the Ft. Smith QRP Club, send Jay Bromley a check or money order for \$12, \$10 for the kit, \$2 for S&H. Be sure and include a self addressed mailing label with your check. Send Jay an email to reserve your kit at w5jay@alltel.net with Marker Generator in the subject line. He has the parts in for the second run of 100 now, and 50 of them are left, so don't delay. Send the check or money order made out to Jay Bromley to:

.
Jay Bromley
9505 Bryn Mawr Cir.
Ft. Smith, AR 72903
.

You will like this kit. It is the essence of QRP. Simple yet effective. Have a good day, 72, Doug, KI6DS

Date: Wed, 2 Jun 1999 09:03:11 -0700
From: "Andreas Junge" <andreas@atltech.com>
To: qrp-1@Lehigh.EDU
Subject: [41843] RE: Code No Code Debate Makes Wall Street Journal
Message-ID: <001c01bead11\$69f7f660\$7937a6d0@ispchannel.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I propose the Morse Code test will be reduced to the following

General : Ability to copy your own call at 25 WPM and to send your call at 25 WPM

Advanced: Ability to copy your own call at 25 WPM and to send your call at 25 WPM plus 599 TU.

Extra: Ability to copy your own call at 30 WPM and include the requirement to send your call at 35 WPM plus 599 OP <put your name here> TU 73 CUAGN GL

Andreas, N6NU
Menlo Park, CA

Date: Wed, 2 Jun 1999 12:15:02 -0400
From: "A. Jenkins" <beaks@westco.net>
To: "QRP-L" <QRP-L@Lehigh.edu>
Subject: [41844] sell/trade items
Message-ID: <003901bead13\$11fe1280\$0edc0bd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got the following rounded up for the hamfest this weekend, thought I would post here in case anyone is interested. Please email me direct for any questions.

Kenwood TR3500 440 HT, tone board, wall charger, ant. Good battery. Digital display good. 10 memories. No manual but very simple to use. 70.00

Compaq palm-top pc "PC Companion" Runs WIndowsCE with email and web browser. (takes optional external modem) 4 megs memory, uses 2 AA batteries, AC adapter, connection cable to desk pc to transfer/load programs. Good for FD logging, sat tracking, that sort of thing. CD's and paperwork that came with it. 150.00

Yaesu FT890AT with FP800 power supply/speaker. Internal auto tuner works down to about 3 watts. 750.00 Email me for more details if interested. Trades considered on any of above for QRP gear, especially need small 20 meter 2-5 watt range, other than MFJ.

Thanks for the space.....
Arch N8EAG
Fairmont, WV beaks@westco.net

Date: Wed, 02 Jun 1999 12:24:17 -0500
From: Randy Randall <RANDALLR@Healthall.com>
To: qrp-1@Lehigh.EDU
Subject: [41845] Which antenna tuner EDX-2 or AT-180 best for long
wire.....
Message-ID: <s75522a4.070@Healthall.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Hello. I have an Icom 706 and a AT-180 automatic antenna tuner. I would like to operate at times with a random length longwire (Field day , emergency operation etc. Will the AT-180 do it or am I better off getting a Alinco EDX-2 also? The instructions I have are not clear on this type of operation with the AT-180.

Thanks,
Randy KB8AS0

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
FAX 513-585-7159
E-mail randallr@healthall.com

!

!

Date: Wed, 2 Jun 1999 11:16:12 -0500

From: "John Russell" <longjohn@qconline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [41846] Re: Solar cycle/the big one/Art Bell
Message-ID: <000201bead13\$ad589480\$199cd8d0@longjohn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Speaking of Art Bell, Wayne Green is the guest for tonight. Say what you want about Wayne, he does make for an interesting interview.

Date: Wed, 2 Jun 1999 12:43:54 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41847] Re: Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
Message-ID: <Pine.LNX.4.04.9906021227510.24843-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Jun 1999, Hendricks, Doug wrote:

> She says, "Look in the top drawer on the left side of the stove by the
> sink." I walk over, open the drawer and there it is!

Ahhh... your wife and mine must share similar bloodlines:) How is it that women can keep track of where *everything* is? The worst thing (but I'm learning) is saying, "But I already looked in the <whatever>", only to have them come pull it out of the <whatever> right in front of you. I swear it's the same trick as when you pull a quarter out of a three year olds ear...

My wife and I do similar work (and she's a EE to boot) so I can get away with saying things like, "Honey, can you see if I have any 78L08's in the parts bin?". But sometimes I get countered with, "Who used the potato ricer last and left all this cheesy looking stuff in it?". Potato ricer? I thought that was the thing to make... ooops! Not only does she "tolerate" my hobby, but she's a darn good cook too! I'm a lucky dog :)

72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 02 Jun 1999 16:49:02 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [41848] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <19990602164945.TIRE9941@webmail.worldnet.att.net>

> >world inhabited by barbarians. For one thing, there
> > will still be rigorous
> > tests on technical topics people will need to pass
> > before they get a license.
> > "I don't think the new people coming in to ham will
> > be riffraff," he says.
>
> rigorous technical topics?
>
> let's see.. they give you all the answers to the test
> beforehand.. and it's
> multiple choice... i think they've dumbed the test down
> as far as it can
> go...
>
> so, the gist of the whole thing is.. give everyone the
> answers to the test
> beforehand... drop the code test...
>
> that is such the american way... if anything is too
> tough, or you have to
> get off your butt to do it.. make it easier.. that way,
> everyone can be
> homogenized.. and no one feels that they are not okay..

You know what tickles me? When the guy tuned around on
the ham bands and came across the vulgar language. Who do
you suppose was using that language? Most likely a
licensed ham. One who (supposedly) passed a code test.

Dave Hinerman, WD8CIV

>
>
> >

Date: Wed, 2 Jun 1999 10:00:28 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [41849] British Regen Counter Measures
Message-ID: <01bead19\$6ac16740\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ahh, I see where Mr. Goull (that's Ted Williams, GOULL, who is one of the master British Qrp constructors) has posted to the list about the wonderful quality of Mr. Fishpool's Regen.

Every action has a reaction. Let's see, a couple of days ago, Bill Jones, KD7S, who is known far and wide as the master American builder, commented favorably on my efforts at building a regen. Could this latest effort by the Brits be a reaction to that posting??? Only Bletchley Park knows for sure.

Gentlemen, the proof is in the tasting of the pudding I think the term is. We shall find out on June 12th, at 8:00 PM when the judging takes place for the little side contest between Graham, Tony and myself. You will note that they each have an entry, as it will give them two chances to win, where as I only have one, but am looking forward to the contest with great anticiapation. Hope to see you there. There will not be live coverage by HBO, we turned Art Bell's request for an interview with the winner down, so you will have to read about it here on qrp-l. Have a good day, and I am severely disappointed (and relieved) that I don't have to compete with Mr. Williams, who is really, one of the best constructors I have ever known. If only we could have a contest between Mr. Jones and Mr. Williams, now that would be something to see!! 72, Doug, KI6DS

Date: Wed, 2 Jun 1999 11:56:55 -0500
From: "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>
To: plburbank@kih.net
Cc: qrp-l@Lehigh.EDU
Subject: [41850] Re: Numbers & Dogs
Message-ID: <v04011706b37b11f7473f@[10.4.12.183]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Dear Gang,
>Do we really need all those numbers and junk after every message?

>I'd rather have your dog's name.

OK Pete -- her name is maggie and although she lays patiently by daddy's feet during QRP QSOs ,she'd rather go for a walk any old time :-)

her web page is at
<http://www.fastlane.net/homepages/anne/maggie.html>

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Wed, 02 Jun 1999 13:00:09 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@lehigh.edu
Cc: kh6b@juno.com
Subject: [41851] Aloha Ade W0RSP
Message-ID: <19990602.070214.5391.0.kh6b@juno.com>

Gang,

14.060 was kinda quiet last night. AB7CE had just finished a short QSO. I thought I might call and work him, as he said he was using a K2. I like to work K2-to-K2, and I've only work a few. Too, late. AB7CE was gone. Shortly, however, W0RSP calls a CQ. That got my attention. I called and he came back. Exchanged 339 reports. His 4 watts to my 5 watts. I believe he said he was working from a motel as a portable zero. QSB started to set in. I did copy that Ade was running 4 watts to a 100 ft wire up 20 ft.

Thank you, Ade. I enjoy QRP operation. I like it even better when it's QRP to QRP!

Aloha,
Dean KH6B
Hilo Hawaii

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Jun 1999 13:03:11 -0400
From: Richard Powell <ripowell@mpna.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41852] RE: Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)
Message-ID: <01BEACF8.452A0080.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What is a Potato Ricer????

73

/rick

wb6jbm

On Wednesday, June 02, 1999 12:44 PM, Chris Cartwright Sr

[SMTP:ccart@phideaux.com] wrote:

clip

> parts bin?". But sometimes I get countered with, "Who used the potato
> ricer last and left all this cheesy looking stuff in it?". Potato ricer?
clip

Date: Wed, 2 Jun 1999 10:20:06 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [41853] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <19990602172006.245.rocketmail@web108.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- wd8civ@att.net wrote:

>

> You know what tickles me? When the guy tuned around on
> the ham bands and came across the vulgar language. Who do
> you suppose was using that language? Most likely a
> licensed ham. One who (supposedly) passed a code test.

There are known areas on 20,40 and 80 meters where there are problems
like that. Hollingsworth has been attacking those problems.

However before the no codes showed up the repeaters had very few if any problems. After they showed up there are all kind of problems. I just can't wait for that to happen on HF.

If they dumb down the tests like they probably will eventually they will get to this;

Wat is ur name:

If u don't know use X:

U R now a ham

===

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 2 Jun 1999 12:39:43 -0500

From: mike1@urbancom.net (Dinelli, Michael)

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [41854] RE: Code No Code Debate Makes Wall Street Journal

Message-ID: <000201bead1e\$e5fc64a0\$43ccd6d8@mike1.urbancom.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I've read no account of Hollingsworth investigating or citing a single offense by a ham using CW.

73 de Mike, N9BOR

FISTS NR 4594

<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
Solid State leaves me cold.

> You know what tickles me? When the guy tuned around on
> the ham bands and came across the vulgar language. Who do
> you suppose was using that language? Most likely a
> licensed ham. One who (supposedly) passed a code test.
>
> Dave Hinerman, WD8CIV

Date: Wed, 2 Jun 1999 12:41:47 -0500
From: Karl.Kanalz@optelinc.com
To: ripowell@mpna.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41855] RE: Potato Ricer
Message-ID: <86256784.00619205.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

It's also sometimes called a "food mill", but its
ORIGINAL use was for making some very find mashed potatoes.

Drop in some boiled (soft) potato chunks, crank the handle, and it
squeezes the potato out through little holes in the side of the
cone-shaped "hopper". When the potato is squeezed through
the side perforations, it resembles grains of rice, even though
it IS potato!.

Karl K - W8TIF
McKinney, Texas

Richard Powell <ripowell@mpna.com> on 06/02/99 12:03:11 PM

Please respond to ripowell@mpna.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: RE: Ft. Smith QRP Club VE3DNL Marker Generator Mods (HONEST)

What is a Potato Ricer????

73

/rick

wb6jbm

On Wednesday, June 02, 1999 12:44 PM, Chris Cartwright Sr

[SMTP:ccart@phideaux.com] wrote:

clip

> parts bin?". But sometimes I get countered with, "Who used the potato

> ricer last and left all this cheesy looking stuff in it?". Potato ricer?

clip

Date: Wed, 02 Jun 1999 12:49:47 -0500

From: Jeff Logullo <jeff.logullo@Central.Sun.COM>

To: qrp-l@lehigh.edu

Cc: jrussell@midwest.net

Subject: [41856] Refresh of old code skills--suggestions?

Message-ID: <37556EBB.7A59118F@central.sun.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi all,

I have a good friend that is interested in becoming a ham (General class). I spent some time outlining what's involved (written and CW tests).

Then he drops the bomb on me: "Back in the Army, I got up to 50 WPM, but that was 20 years ago." 20 years or not, I still hate his guts! ;-)

So, is copying CW the same as riding a bicycle? What's the best way for someone to get re-aquainted with the code?

I immediately retracted any mention of code tapes, and suspect that come computer-based programs would be wiser. But I'll defer to the wisdom of the group. Any suggestions for us?

73,
Jeff N0MII

Date: Wed, 02 Jun 1999 13:54:10 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41857] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <37556FC2.45759D2D@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Wat is ur name:
>
> If u don't know use X:
>
> U R now a ham

i'd like a double double..

large fries..

chocolate shake..

and and advanced..

no no..

make that *extra* ticket..

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Wed, 02 Jun 1999 10:55:25 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [41858] Re: British Regen Counter Measures
Message-ID: <3755700D.5EA129E0@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Hendricks, Doug" wrote:

> If only we could have a contest between Mr. Jones and Mr. Williams, now that
> would be something to see!!

Is there any chance Mr. Williams will be coming to Pacificon in October? I know
I'll be there.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Wed, 2 Jun 1999 13:55:30 -0400
From: John Harper AA5YX/2 <aa5yx@juno.com>
To: qrp-l@lehigh.edu
Subject: [41859] Photo of St. Louis Mach Co case for NC20?
Message-ID: <19990602.135531.4454.0.aa5yx@juno.com>

Does anyone know of a web site that displays a picture of the anodized
case made for the NC20 by the St. Louis Machine Company?

Thanks,

John Harper AA5YX/2 ex: KA5BBL, KI5OW, VQ9BL
HW-9, OHR-100A/20m, Norcal 40A, SST/30m, Norcal 20
YashicaMat 124G Info: <http://home.att.net/~j..harper>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Jun 1999 12:56:56 cdt
From: Bill H Hays <wj5o@juno.com>
To: TENTEN-L@LEHIGH.EDU, QRP-L@LEHIGH.EDU
Subject: [41860] auto remote transmitter HELP
Message-ID: <19990602.125657.-263493.0.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,
I'm trying to run down the frequencies that an automobile remote control
uses to actuate the systems in an automobile.
Any help would be appreciated.
Please answer direct.
73 Bill WJ50

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Jun 1999 10:53:38 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [41861] NC20/40 AFA problem
Message-ID: <19990602.105339.-131539.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got my AFA chip from Dave, for my forty meter version of the NC20, and I
notice that the calibration seems to be off. Anyone else notice this?
Example, I tune the dial very slowly, till I hear the "40" signal, put
the rig into "tune" mode via the tick keyer, and output into a dummy
load. Go to my Icom 706, across the room and tune in the sig. using my
Timewave DSP-9 at 100 Hz band pass and tune in the NC20/40's signal at
7.041.28 kHz. Tune in the NC20/40 for "39" and pick up the signal on the
706 at 7.040.32 kHz.

Anyone got any ideas for calibrating/correcting the AFA signal?

72,

Bill, K6MGO

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Jun 1999 14:17:18 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41862] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <024201bead24\$27495da0\$9001a8c0@mikey.wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I deleted the original address and name from the below, so as
not to be too personal. But... personally I find your post offensive.
I agree that it's a problem with the new no code HAMS, but NOT
because they are no code.

The problem is just plain numbers. Period. And older (not by age)
HAMS who persist in knocking them down, telling them they aren't
'real Hams' (What utter bulls#!+) and then becoming frustrated with
the crowd and the fact they can't 'wow' them with their 'senior status'.

I'll bet upon reflection that 9 out of 10 problems that even CONCERN
a new ham on a repeater has a 'higher class' license involved, and
probably instigating at some level.

I've heard 'extras' that tell a new guy to 'cut his PLL lock line' to
'open up'
his rig. I've heard generals and above 'shut down' a repeater when a
no-code gets on. I've heard a group of general and above ignore a
no-code and even go to high power local to 'blast over' a no-code who
had the AUDACITY to attempt to join an open conversation on a local
repeater, when they were all mobile, all within probably 100mw range
of each other, and all within 1w range of the repeater.

Are the technocodes blameless? No way, but they have an excuse,
no one has taught them better by example.

What the hell category do YOU fall into with your comments of the ilk
you posted below.

There ARE technical reasons for wanting the code to stay, but they are fading fast, and the writing is on the wall. It can either go cleanly or with a last gasp fight, but it's going to go, eventually. Just ask yourself this, when CW does go, do you want the subbands to go with the the requirement? Think long and hard on that my friends, because if this reactionary BS between the code and no-coders continues and drags out, that just might happen. Oh, not at once, but watch. With the first reduction in CW requirements the CW band restrictions will follow. There will be 'single speed' CW subbands, and the question will be will they open the entire CW subband to all CW, or will they just lop it off? Didn't think about that, huh? Now think how it's going to continue....

I'm sorry, but either dig your own grave or try to dig that hole to lay a good foundation for something new. Make your choice carefully.

The post below belongs in that grave and covered up. I hope your proud of your self.

Yeah, the hobby probably will get worse from growing pains before it gets back on track. But I'll tell you where all look for the disease, and it isn't towards the new guys.

Mike Yetsko
N1DVJ

>>
>> You know what tickles me? When the guy tuned around on
>> the ham bands and came across the vulgar language. Who do
>> you suppose was using that language? Most likely a
>> licensed ham. One who (supposedly) passed a code test.
>
>There are known areas on 20,40 and 80 meters where there are problems
>like that. Hollingsworth has been attacking those problems.
>
>However before the no codes showed up the repeaters had very few if
>any problems. After they showed up there are all kind of problems. I
>just can't wait for that to happen on HF.
>

>If they dumb down the tests like they probably will eventually they
>will get to this;
>
>Wat is ur name:
>
>If u don't know use X:
>
>U R now a ham

Date: Wed, 2 Jun 1999 14:20:04 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wj5o@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41863] Re: auto remote transmitter HELP
Message-ID: <025b01bead24\$8a37e760\$9001a8c0@mikey.wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm not 100% sure, but at least some of them are in the 300mhz band.
There's an area reserved for these things with real low power.

If I'm not mistaken, they might be the same as the units sold as
'building blocks' for remote control in the ads in Circuit Cellar Ink.
and
Electronics Now.

Mike Yetsko
N1DVJ

>Hi All,
>I'm trying to run down the frequencies that an automobile remote
control
>uses to actuate the systems in an automobile.
>Any help would be appreciated.
>Please answer direct.
>73 Bill WJ50

>-----
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<http://www.juno.com/getjuno.html>
>or call Juno at (800) 654-JUNO [654-5866]

>

Date: Wed, 2 Jun 1999 12:23:16 -0600
From: Rod Cercone <rlc@frii.com>
To: jeff.logullo@Central.Sun.COM, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [41864] Re: Refresh of old code skills--suggestions?
Message-ID: <19990602122316.36673@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello;

On Wed, Jun 02, 1999 at 12:49:47PM -0500, Jeff Logullo wrote:

> Hi all,

>

...

> So, is copying CW the same as riding a bicycle?

I think so, to an extent.

I first learned code in High School thirty years ago. I dropped out of Ham Radio 25+ years ago, and returned only last year about this time. About 1-2 weeks before the exam I sat down & wrote out most of the alphabet, in Morse! Encouraged by that I started practicing with Super Morse. In that 1-2 week period I got up to 5wpm & passed Tech+.

> What's the best way for someone to get re-aquainted with the code?

>

My recommendation: Start with a code tutor program (computer or CD's) to refresh the basics. Then move to and/or supplement with W1AW code practice transmissions as soon as possible. Also get on the air ASAP. I felt my CW skill improved dramatically when I had to use it for real.

Hope this helps.

--

72/3 NØRC
Rod Cercone
Fort Collins, CO
QRP-L #1764, NorCal, QRP ARCI, CQC & FISTS
da di dah

Date: Wed, 02 Jun 1999 11:30:28 -0700
From: Danh Le <dle@san-jose.tt.slb.com>
To: k6mgo@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41865] Re: NC20/40 AFA problem
Message-ID: <4.1.19990602112944.00aaba00@popper.san-jose.tt.slb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:53 AM 6/2/99 -0700, william h ross wrote:

>Got my AFA chip from Dave, for my forty meter version of the NC20, and I
>notice that the calibration seems to be off. Anyone else notice this?
>Example, I tune the dial very slowly, till I hear the "40" signal, put
>the rig into "tune" mode via the tick keyer, and output into a dummy
>load. Go to my Icom 706, across the room and tune in the sig. using my
>Timewave DSP-9 at 100 Hz band pass and tune in the NC20/40's signal at
>7.041.28 kHz. Tune in the NC20/40 for "39" and pick up the signal on the
>706 at 7.040.32 kHz.
>Anyone got any ideas for calibrating/correcting the AFA signal?
>72,
>Bill, K6MGO

Hi Bill,

Sounds like you need to adjust your transmitter offset.

72 de Dan, ke6d

=====
Danh Le, KE6D, Milpitas CA ke6d@arrl.net

Date: Wed, 02 Jun 1999 11:42:23 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41866] Potato Ricer
Message-ID: <37556CFF.200A@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Potato Ricer is the residue that is left over in the barrel of my spud
gun after I launch an antenna HIGH up into the pines!!

Anyone want hash browns for breakfast at Tuthill??

72, Tom WB5QYT..." Have spud and bug will travel!"

Date: Wed, 2 Jun 1999 14:34:35 EDT
From: Robsparks@aol.com
To: qrp-1@lehigh.edu
Subject: [41867] AR-QRP 40 m Net is tonight
Message-ID: <210232ce.2486d33b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

AR-QRP 40 m Net Wednesday Night

The AR-QRP 40 m net is tonight, Wednesday, at 0030Z (7:30 CDT) at 7.042 MHz. Bob, AB5ZD is NCS and will be calling "QST AR QRP NET de NQ5RP PSE QNI". At that time, please send your full call. When I copy it, I will return your call and AS (stand by) while more call in. When I have the list, I will start at the top and go down the list for reports and comments. If you are trying a new rig or antenna, or going to Hamcom, tell us about it! This is a fun and informal net, and is a low hassle way to learn how to check into a net. You don't need to be a member of the AR-QRP Club to check in. We welcome new check-ins!

72,

Bob AB5ZD

Date: Wed, 02 Jun 1999 11:42:15 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41868] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <37551897.AC08E437@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can we kill this thread before it gets way out of hand?

--

73, de Roger, N7KT
qrp-1 #62, NorCal #1099, Zombie #006

Mesa, AZ 85202

Date: Wed, 02 Jun 1999 11:40:30 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [41869] QRP-L CD's
Message-ID: <3755182E.B2D7A95F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've been playing around with the Master CD (after I made the file name correction Chuck mentioned), to see how a copy would run on each of my three confusers.

The CD-R copies ran fine. Put the CD in, click Start, Run, Q: (or your CD Drive letter)\start.htm and off it goes. One machine did an auto-start, the other two didn't.

The big problem came when I made a copy on a CD-RW. Only One machine would run it at all, and that was the newest. The older confusers/CD drives apparently aren't Multiread units and won't work.

So....if you send one of the volunteers a blank CD, make sure it's a CD-R and NOT the RW type, or you might have a problem.

The more I poke around this CD the more impressed I am with the contents. A lot of work went into putting it all together. Thanks, Chuck.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Wed, 2 Jun 1999 11:49:20 -0700
From: Brian Murrey <brian@iquest.net>
To: crc@io.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41870] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <99Jun2.115205pdt.17026@firewall.bellind.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Keyer memory will be limited to storing 10 or less characters.

crc wrote:

>

> If we are a militant group do you think they will want to confiscate our
> fully automatic keyers, and limit semi-automatic bugs to people over 21?
> Maybe register all J-38's ?
> Charlie WA5KRF

--

=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud to be a member of the American Radio Relay League
=====

Date: Wed, 2 Jun 1999 14:21:20 -0500
From: Rick Morrison <RickM@firstlogic.com>
To: qrp-l@Lehigh.EDU
Subject: [41871] Regen radio kits
Message-ID: <8E337964A712D2119ADE006097C9899D0104B48A@exchange-lax1>
MIME-Version: 1.0
Content-Type: text/plain

Ok, I'd like to build a regen radio, too. But I don't have the time or the junk box to pull together a Desert Ratt. I've successfully completed a Fireball 40 and a Pixie. A regen kit seems like a good step up from those kits. (And my soldering skills do need to be improved!)

Would anyone like to offer opinions on the MFJ-8100 or the TenTec 1253 SW regen receiver kits? Direct e-mail please.

Thanks, Rick
kb9tkg@arrl.net

Date: Wed, 2 Jun 1999 12:31:19 -0700 (PDT)
From: David J Adams <adamsclan@netgate.net>
To: qrp-l@lehigh.edu
Subject: [41872] QRP-L CD Archives
Message-ID: <199906021931.MAA23795@u1.netgate.net>

Greetings! A quick request to all of you choosing the Route A (supply your own CDR) method. If at all possible, do not send the volunteer one of the old (yellow pack) Maxell CDR74 disks. Many drives cannot write to them (though I do not know why). Those that can can only burn at 1x speed which means it takes an hour to burn the disk. I've done four of them so far and will continue to do any that I receive, but would appreciate it if anyone yet to send a disk would refrain from sending that particular type.

Regardless, if anyone still needs a copy you can:

Route A - send a CDR and SAS mailerr. I will burn and return the disk.

Route B - send \$10 and I will supply all.

Send to:

DAvid Adams
619 Alamo Ct #410
Mountain View CA 94043

73 de dave, n9uxu

Date: Wed, 2 Jun 1999 09:32:50 -1000 (HST)
From: "Mike W. Burger" <mike@gold.chem.hawaii.edu>
To: qrp-l@Lehigh.edu
Subject: [41873] contesting in QRP
Message-ID: <199906021932.JAA09773@gold.chem.hawaii.edu>

Can someone give me some pointers on QRP operating techniques for big contests? I know you are unlikely to be able to "hold a frequency" before some big foot squashes you like a bug and takes your frequency with his 10Kw Italian amp. What should one look for in an approach to making a serious score in and amongst the thunder stations, the band commanders and all those stations that like to answer your CQ and then say "TU QRZ TEST" ?

BTW, I recently packed my Left Handed Vibroplex Original in its carrying case on a trip to a neighbor island. I had it in my backpack. Should have seen the confusion when it went through the baggage X-ray machine. I had to open it up and they wanted me to "turn it on" and show them where the batteries went, etc. Then

they took out one of those chemical swabs and started rubbing it all over my backpack and putting it into a special detector.

We may soon have to FIGHT for our right to bear keys.

All fully automatic keyers will require a "tax stamp" or be illegal, unless you hold a class III key dealer license.

Only semi-automatic keyers will be legal, they will send only one automatic dit at a time. User modifications to activate strings of dits will be a violation of Federal Law.

Straight keys must have an arm at least 1.9 inches long or be considered an illegally modified device. The base must not be shortened except by a registered keysmith.

Heaven help you if you get caught with a key with no "obvious legitimate sporting purpose."

Keys must be transported in locked approved "key cases" and if taken on an airplane they must be surrendered to the captain of the aircraft on boarding.

When Keys are Illegal only FISTS will have keys.

So, seriously, how do you contest effectively in QRP in the big contests?

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

www.chem.hawaii.edu/uham

Date: Wed, 2 Jun 1999 15:44:18 -0400
From: "Franco, Nicholas J" <franco@bnl.gov>
To: qrp-l@lehigh.edu
Subject: [41874] Believe it or not
Message-ID: <DE00EC7EAB0ED311971B00A0C9B426B603ACDB@exchangetemp.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi gang,

How's this for a new thread....

An acquaintance came into my office to see if our work Radio Club would be interested in an OLD Teletype Machine. I mean the original 300 lb. kind with the type to the paper roll and receive to the paper roll approach. I don't know if any of you have museum or know of one, but this guy has the unit and the docs (or most of them, he says) up for grabs (free). However, I wouldn't want to pay the shipping charges :-). If by some remote chance someone is really interested in this beast, let me know and I'll hook you up with Jay.

Thanks es CU on the air,
Nick - kf2ph . .

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Wed, 02 Jun 1999 12:44:58 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [41875] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <19990602194458.24586.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

K2UD@aol.com writes:

>FISTS, a militant pro-Morse group? What's next, the left-wing >radical
>QRPers?

Yeah, you QRPers are trying to bury ham radio in the noise!

You're a bunch of subversive commie whackos.

:-)

Brad

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Date: Wed, 2 Jun 1999 16:05:28 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [41876] Solar Power Controller MOD for Micro-M (long)
Message-ID: <21E06269B00ED111BE9B00805F6D0FA38EDB54@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

In preparation for a local Hamfest with the North Georgia QRP group I recently dusted off my collection of solar parts: several small capacity panels from TechAmerica, a Micro-M controller from Sunlight EnergySystems, and a 1.2 aH 12v gell cell. I had made a version of the "Mighty Mite" found in several books and references. Basically a one transistor Pierce tuned LC output tank with link output running a BIG 20 mW. Since this was going to be part of a NOGA to NOGA QRPP QSO demo where the visitors can make the QSOs I thought it would be neat to use solar power for the demo. Other NOGA members were doing a "lemon" power demo.

So I wired up the panel,controller and battery and put it in the backyard and not the best of conditions but the no load of the panel was about 19v so I thought that would be OK. With the scattered clouds and moving earth the conditions changed over the next several hours. Checking the gell cell voltage I saw I was loosing ground with the battery voltage lower than when I started. I had never tried solar stuff before so I wasn't sure of what to expect. I called Sunlight Energy Systems and lo and behold Mike Bryce of the famed "Hotwater Handbook" fame answered the phone. I had originally bought the controller after reading about a prototype article in QST 96. Mike had written the article.

I explained my configuration: small panel @150 mA MAX, small gell cell @1.2aH charged. He explained that the original controller was designed for gear a little robust and that the controller was getting it's power from the battery and that this drain was occurring whether or not the panel was generating juice. The bad part of this was with about 30 ma being used by the controller the small gell cell was running down.

He informed me of a simple MOD that could be made to power the controller from the panel so if there was no panel juice then the controller was shut down so you could leave everything hooked up during the night or cloudy periods without having the worry about the battery running down. for us QRPers using these small low power configurations we need all the help we can get so for those of you that are in the same boat try it out. It only takes a few minutes and two parts (diode,resistor) to make the change. I'm

happy to report that today after the MOD my gell cell is actively charging.

Now I'm ready for backpacking to North Georgia. See you at Field Day.

I'm not connected with the company only a satisfied customer. I asked if I could pass this info on to the list and was given the OK.

Thanks for your help Mike.

Sam Billingsley AE4GX Atlanta (Buckhead), GA
<http://ae4gx.home.mindspring.com/>

----- cut here for MOD
info-----

The following info is from Sunlight Energy Systems, Inc

web site url is: <http://www.seslogic.com/solar.htm>

The Micro "M" charge controller has been widely popular with over 1000 units in use. Designed primarily for flooded lead-acid batteries, the Micro "M" has found a niche with the QRP operators. Since many QRP operators use their radios in the field, these radio use very small amp-hour capacity batteries. In most cases a sealed lead-acid battery is used. Capacities range from 12.5 amp/hours to 1.2 amp/hours.

The Micro "M" as described in my QST article, works great with these batteries. There is one drawback however. The Micro "M" has a rather high standby current. Normally, this is not a problem when the controller is used with a higher capacity battery. But, with a 1.2 amp hour sealed battery, you could wake up in the morning only to discover your battery is dead. The Micro "M" had discharged it during the night.

"From the factory" the Micro "M" standby current ranged from 12 to 35 mA. The variance is caused by different production runs of the LM358 dual compartor.

In the past, the best fix was to remove the LM358 and replace it with a micro power version of the chip. Not cheap and not easy to come by.

But, here is a fix for the Micro "M" that is simple and easy to do. The results are dramatic! With an unmodified Micro "M" controller, the standby current went from 33 mA to .118 mA!

There s how you do the modification.

You ll need a 1N4002 diode and 2.2K resistor. A really hot soldering iron

and some desoldering wick.

1. First, position the Micro "M" PC board so the wire connections are facing you.
2. Locate diode D5 (as marked on the PC board) This diode is located right next to U2.
3. Clip the un-banded lead of the diode from the PC board
4. Using a hot iron, heat the remaining lead and pull the diode out of the PC board.
5. Using the solder wick, clean out the hole (banded end) near U2. There is no need to remove the other lead left in the PC board. Just be sure you trim it off flush with the board.
6. Install a new 1N4002 diode standing up, with the banded end toward the PC board.
7. Solder the diode s lead in the PC board.
8. Bend the diode s loose end by capacitor C3 and solder it to the un-banded end of the large diode, D4. Be sure you do not allow the lead from the 1N4002 to touch any of the board s traces.
9. Flip the board over and install the 2.2K resistor across the PV- and BATT- traces. Trim the leads to prevent shorting out the board.
10. Check over your work and test the Micro "M" for proper operation.

Ok, here s what we did.

We moved diode D5 so it is now receiving power from the solar panel. At night, the entire circuit shuts down. However, since the controller switches the negative side of the solar panel, we need to supply a ground for U2, the regulator.

That s what the 2.2K resistor does. Yes, by connecting the solar panel negative and the battery negative via the 2.2K resistor some current will flow when the controller turns off the FET. But I measured this at less than 1 mA. So, there s no need to worry about overcharging the battery through a 2.2K resistor!

Check standby current if you like. Place your vom (set to read current) in series with your battery. You should see about .18 mA instead of 33 mA!

Date: Wed, 2 Jun 1999 13:05:02 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [41877] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <19990602200502.23339.rocketmail@web117.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Chris Trask <ctrask@primenet.com> wrote:

>

> When keys are outlawed, only outlaws will have keys.

But I'll bet they won't be no codes! 8-)

Jeff

===

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 2 Jun 1999 16:15:40 -0400

From: hamjoel@juno.com

To: qrp-l@lehigh.edu

Subject: [41878] wire / rope vertical

Message-ID: <19990602.161542.-205319.0.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

hi gang

well I got fancy today and hung a 34ft vertical from one end of the two element yagi.... I tied the wire to the center of the dowl that is on the east side...and let it drop... I then ran four radials the base of the vertical is about 15 feet off the ground.....all supported by rope and trees of course

the antenna loaded up just fine on 7.040 and very little reflected on 7.233.5

in fact it loaded the same as the two element yagi... same settings on the tuner....for the phone band...

now I can compare this quarterwave vertical to the two element yagi... my cajun mama wants to run some string beans up the vertical element and hang some tomatoes off the radials... guess I'll have to let her do that... she does the cooking u kneaux..... :-)

joel kella
in maine

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Date: Wed, 2 Jun 1999 13:32:19 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [41879] Regens at NorCal Meeting Sunday, Norm & Vern
Message-ID: <01bead37\$0367e6a0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey guys, just had an idea. How about everyone bring their regens to the NorCal meeting Sunday and we can show and tell. I'll bring mine, Dave Fifield has one in the works, and so does Mike Gipe. Jim is working on one, and so are a lot of others. Bring em to the NorCal meeting and we'll compare notes.

Norm Melick keeps posting about his regen, but Norm, what we all want to know is how is Veda coming on hers? You did build yours didn't you? Or was it Veda???

Vern Wright, W6MMA called last night and was he ever excited. I answered the phone and was immediately hit with, "Hey listen to this" and then I heard some religious broadcaster forecasting the end of the world, music, cw, 75 meter phone, the BBC, and a whole bunch of signals. (If you know Vern well, you know about his habit of building a rig, then calling you up to let you listen to a signal on it over the phone. He does the same when he builds a new antenna, he just has to share. Several of us have had those phone calls and they are fun.)

He read my posting about building the MFJ circuit the other night. Then he went to a small hamfest and swapmeet and found an MFJ 8100K built for \$25. Vern snatched it up, and then proceeded to build the circuit using the MFJ board as a guide. He has it done, had his son-in-law help him do the front and rear panel layout on a cad program, and used a plain NorCal 20 case to mount it in. Vern says it worked great. He was really proud of himself that he was able to use the 2N2/40 techniques that Jim Kortge featured in his article in the last issue of QRPp. He used the Harbor Freight punch to

make his 3/16" round pads, and said that construction was a snap. He says that the new technique is easy to do, and it allows you to build any circuit, you don't need a board.

He now has a 5 Band Regen and it is on its way to Texas for the HamCom Building contest. Guys, don't forget that you too can win one of the many prizes at Hamcom. All you have to do is build a winning regen and enter the contest. Remember, no kits, but you can homebrew any schematic that you want.

Let's see HamCom is 8 days away!! Fun in Texas, and a lot of Qrpers will be there, hope you can make it. 72, Doug, KI6DS

Date: Wed, 2 Jun 1999 14:06:25 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [41880] Z-matches, transmatches & waterproof matches
Message-ID: <19990602.141027.9902.3.nilsbull@juno.com>

Gang,

For them what showed up on "show & tell" night at Dayton, some may remember my little antenna tuner that was part of the Sierra version of the traveling radio box. A couple folks asked me if I had built a ZM-# match, a la Emtech. To which the answer was that I hadn't. What I'd built was something I call the "PostModernist Antenna Tuner," combining intertextualities of a variety of ATU articles that I read while waiting for the paint to dry or something.

As a QRP project, it was cute. I used relatively cheap broadcast receiver variables -- the metal frame ones with metal plates & no noticeable vinyl or plastic parts. I used a fairly large type-2 toroid & some switches &c. And the ATU part was modified from one that I'd found in a SPRAT copy that just happened to fall open on the page where a ham in the Netherlands had shown some of his experiments & experiences. It involved a couple switches, one to link the output to ground for coax & LW & one to switch between two ranges (3.0-14 MHz and 7-29 MHz). That tuner works pretty nicely and it still stands as part of the traveling radio box.

But I found that putting that tuner into a larger version with a T-200-2 form & large space capacitors was nearly unworkable. I couldn't get the inductances to play nice on the higher range & still have enough L to tune the lower range. Yeah, I know, I was pushing hard to get 160m on the

deal & was lucky to get it to work at all.

So last night, and after having cruised the web for all the neat QRP related antenna tuner articles out there (some with great schemos &c), I finally thought that I'd give the ZM-2 circuit a try in a higher-power box. Which was nominally successful. I got it to tune up to 30 MHz with only a little fiddling & addition of input coupling capacitances. And 160m fell into place when I put a monster 500 pf 17 kV antique mica cap across the main inductor.

But one of the web resources (the text actually appears in two places & with two different type faces) recommended using type-6 material for the core form. I ain't to sure about all that, but I've put together an order to TechAm to get some cores & HV caps for playin' with. Which will give me some experimental room for a two-coil, plug & play type of tuner that will cover 160-20 & 30-10m without serious loss.

And I get to try making an ATU in a nice wooden cabinet with antique-style knobs &c for next years "show & tell." Walnut or cherry with white maple inlays . . . or faux ivory embellishments as dial pointers . . . And a little compartment to hold one of the two plug-in coils to switch between the bands. If that works out in the experimental version.

Then all I need to do is a reduced size version for the eventual K2 traveling radio box.

Sometimes there just ain't enough PostModernist time, y'see?

73
Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 02 Jun 1999 17:11:24 -0400
From: Charles feigley <wa8cul@gte.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [41881] NO CODE

Message-ID: <37559DFC.84ABEF8B@gte.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

It may sound dumb, but I'm trying to pass my 20 wpm before it's all gone.

--

CHARLES D. FEIGLEY SR.	6030 150 Ave.N.#49	WA8CUL [ex-KE4UON]
LATITUDE 27.93	Clearwater,	EL87PW
LONGITUDE -82.73	Florida 33760-2180	GMT-5.0

wa8cul@gte.net

MEMBER:QRP-L #1752---AK/QRP #417	Tech Plus Ham Radio Operator
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Society of Amateur Radio Astronomers	Marine Radio Operator Permit
--------------------------------------	------------------------------

Date: Wed, 02 Jun 1999 17:09:29 -0400

From: Bob Edwards <w4ed@flash.net>

To: plburbank@kih.net

Subject: [41882] Re: Numbers

Message-ID: <37559D89.9CF45E64@flash.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Pete Burbank wrote:

> ...I'd rather have your dog's name...

OK Pete; "Bentley-QRP", a rescue from a breeder that had English Setters and Cavalier K.C. Spaniels. He was an accident between the two breeds and just may be the smartest dog I'll ever share a house with. We're into spell things like walk, park, mail-box, din-din, and he's picking up on each one !! Can be seen at:

http://www.qsl.net/w4ed/rbe_dog.htm

/|

Bob	72/73	/
K2 #____	Z'# 114	/ \
http://www.qsl.net/w4ed		/ / E \
W4ED nr Atlanta @EM73wt		/_ /____ __\
...."QRP", more from less....		[\---=====~/

Date: Wed, 02 Jun 1999 21:43:35 +0000
 From: Ed Loranger <we6w@qsl.net>
 To: jeff.logullo@Central.Sun.COM
 Cc: jrussell@midwest.net, qrp-l@lehigh.edu
 Subject: [41883] Re:Refresh of old code skills--suggestions?
 Message-ID: <3755A587.480B@qsl.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Hi Jeff et. al. Your friend's story is similar to mine.
 Military High-speed CW.

After 15 quiet years away from the code, the biggest
 problem I found was having an active QSO and not stumbling
 across my fear of "Q" signals.

I taped a paper atop my radio with an acceptable exchange
 one might hear on the air. When I couldn't think of responses
 to the other party, I went with the canned responses listed.

I think the biggest barrier for those of us that are military
 trained is that we were trained 'reflexively' -- responding
 without actually thinking of what we heard. This motor response
 allows us to copy QRQ code on a typewriter along with our
 administrative notes required in commercial communications -- all
 without skipping a beat.

Share some low power or land-line CW QSO's with your friend. I
 believe he'll be on board in no time.

Practice with what he will be using most of the time. Use a
 real key or paddle. He may not need computer skills in the field.

I hope this helps. 72/Ed we6w

--
 -Ed AR Millennium Q's=>650/2000 QRP-L#1068

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Wed, 2 Jun 1999 21:52:21 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Cc: "Ted Williams" <tedw@BTinternet.com>
Subject: [41884] Re: British Regen Counter Measures
Message-ID: <001101bead42\$6485f520\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi

> Ahh, I see where Mr. Goull (that's Ted Williams, GOULL, who is one of the
> master British Qrp constructors) has posted to the list about the wonderful
> quality of Mr. Fishpool's Regen.

And he hasn't seen mine yet! Well, actually it's two of them - a his'n hers
entry!

AND, they both use British circuits, well, even better, they are English!
AND ALSO, they are not copies plagiarised from any kit, nor do they use any
resistors or capacitors out of a kit!

> Gentlemen, the proof is in the tasting of the pudding I think the term is.
> We shall find out on June 12th, at 8:00 PM when the judging takes place for
> the little side contest between Graham, Tony and myself.

Mr Hendricks - prepare to loose!

> You will note that
> they each have an entry, as it will give them two chances to win, where as I
> only have one, but am looking forward to the contest with great
> anticiapation.

Even without these odds in our favour, any one of these will beat yours -
assuming you are not disqualified for breaking the rules!

72/3

Graham

G3MFJ/W3MFJ

PS, my wife has ordered the Wensleydale cheese!

Date: Wed, 02 Jun 99 18:02:18 PDT
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: franco@bnl.gov, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41885] Re: Believe it or not
Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I'd kill for one of these.....but I don't think I'll go as far as paying=
the shipping.<GGGG>

73
KE4QOK
Bob

> Hi gang,
>
> How's this for a new thread....
>
> An acquaintance came into my office to see if our work Radio Club would=
be
> interested in an OLD Teletype Machine. I mean the original 300 lb. kin=
d
> with the type to the paper roll and receive to the paper roll approach.=
I
> don't know if any of you have museum or know of one, but this guy has =
the
> unit and the docs (or most of them, he says) up for grabs (free). Howe=
ver,
> I wouldn't want to pay the shipping charges :-)) If by some remote cha=
nce

Date: Wed, 2 Jun 1999 18:08:10 EDT
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [41886] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <73c22464.2487054a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I should have commented about using my Embedded Research AK-1, fully automatic Assault Keyer on unarmed Novices, but then Hamdom Control International might get on my case.

72

Howard Kraus, K2UD

Date: Wed, 2 Jun 1999 15:10:57 -0700
From: Brian Murrey <brian@iquest.net>
To: wa8cul@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41887] Re: NO CODE
Message-ID: <99Jun2.151403pdt.17026@firewall.bellind.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Me too! Even if I never pass the Extra written....I'd love to have the 20 wpm CSE on my wall.

Charles feigley wrote:

>
> It may sound dumb, but I'm trying to pass my 20 wpm before it's
> all gone.
>
> --
> CHARLES D. FEIGLEY SR. 6030 150 Ave.N.#49 WA8CUL [ex-KE4UON]
> LATITUDE 27.93 Clearwater, EL87PW
> LONGITUDE -82.73 Florida 33760-2180 GMT-5.0
> wa8cul@gte.net
> -----
>
> MEMBER:QRP-L #1752---AK/QRP #417 Tech Plus Ham Radio Operator
>
> Society of Amateur Radio Astronomers Marine Radio Operator Permit

--

=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w

Proud to be a member of the American Radio Relay League

=====

Date: Wed, 2 Jun 1999 18:18:47 -0400
From: "Nick Yokanovich" <n0ny@toad.net>
To: <qrp-1@Lehigh.EDU>
Subject: [41888] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <00c201bead46\$350fd0a0\$591e31d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Never thought of myself as militant, but I do tend
to be Icomoclastic.

Nick K3NY

FISTS Nr 3549

Date: Wed, 02 Jun 1999 22:25:33 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41889] Re: NO CODE
Message-ID: <3755aee1.10064441@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Wed, 2 Jun 1999 15:10:57 -0700, Brian Murrey <brian@iquest.net> wrote:

>Me too! Even if I never pass the Extra written....I'd love to have the
>20 wpm CSE on my wall.

>

>

>Charles feigley wrote:

>>=20

>> It may sound dumb, but I'm trying to pass my 20 wpm before it's

>> all gone.

I could be wrong, but if all you want is to demonstrate code proficiency,
doesn't the ARRL still issue certificates for code runs via W1AW?

Date: Wed, 02 Jun 1999 16:37:05 MDT
From: Jerry McCollom W0MC <w0mc@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [41890] FS: 2 10-turn pots
Message-ID: <19990602223705.5956.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Folks,

I discovered I had 2 extra 10-turn pots leftover from the NC20 group buy.
If anybody wants one or both, drop me a line. \$7 ea + shipping.

These are the Beckman (BI Technologies) 7/8" 10K0hm 10-turn pot recommended
for the club-supplied NC20 (if you're getting one of Dave's Red Hot Radio
NC20's, he includes the 10-turn pot in the kit, so you won't need these). I
also know from firsthand experience they're great additions to your
Wilderness Norcal 40 or your OHR 100.

72,

de Jerry W0MC QTH Fort Collins, CO
w0mc@hotmail.com QRP-L #800

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Wed, 2 Jun 1999 06:45:40 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41891] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <007a01beace6\$0a01d3a0\$1d4b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh, no! They're on to us!!

-----Original Message-----

From: K2UD@aol.com <K2UD@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, June 02, 1999 9:06 AM
Subject: Re: Code No Code Debate Makes Wall Street Journal

>FISTS, a militant pro-Morse group? What's next, the left-wing radical
QRPers?

>

>72

>

>Howard Kraus, K2UD

>CW soldier of fortune

>

Date: Wed, 2 Jun 1999 06:48:12 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41892] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <007b01beace6\$0ae3a820\$1d4b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HOW 'BOUT CHA 20 METERS.... HOW 'BOUT THAT 20 METERS, COM'ON!

Date: Wed, 2 Jun 1999 06:52:36 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: <ctrask@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41893] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <007c01beace6\$0bc70340\$1d4b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Maybe we should send Frank, of the FMLA, to "talk" to the guy.

End of QRP-L Digest 1476
